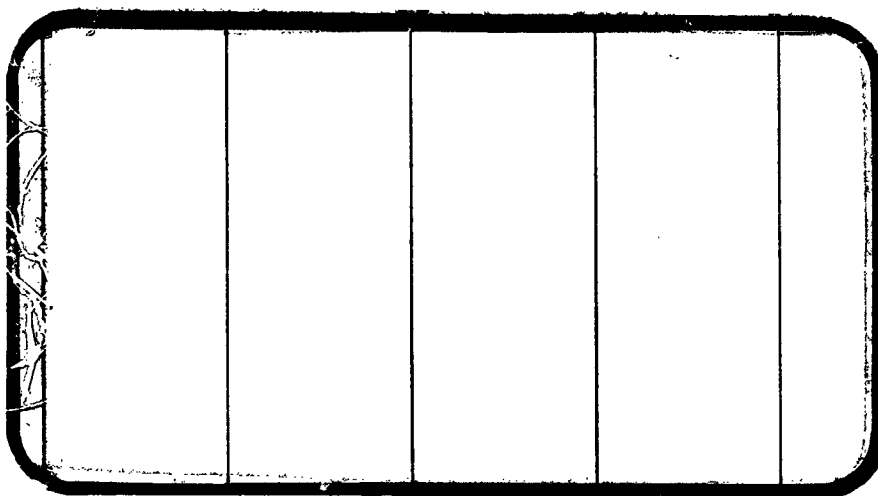




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(NASA-CR-134104) WIND TUNNEL TEST OF
THE 0.019 (2A CONFIGURATION) JET PLUME
SPACE SHUTTLE INTEGRATED VEHICLE IN THE
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

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SPACE DIVISION



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WIND TUNNEL TEST OF THE 0.019 (2A CONFIGURATION)

JET PLUME SPACE SHUTTLE INTEGRATED VEHICLE

IN THE ARC 9- BY 7-FOOT UNITARY WIND TUNNEL

(1A12B)

By

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Prepared under NASA Contract Number NAS9-13247

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WIND TUNNEL TEST OF THE 0.019 (2A CONFIGURATION)
JET PLUME SPACE SHUTTLE INTEGRATED VEHICLE
IN THE ARC 9- BY 7-FOOT UNITARY WIND TUNNEL
(IA12B)

By R. B. Hardin, R. R. Burrows

ABSTRACT

This report presents the results of a wind tunnel test of the NASA/Rockwell 0.019-scale, 2A Configuration, Space Shuttle Integrated Vehicle in the Ames 9- by 7-Foot Unitary Wind Tunnel.

The test was conducted at Mach numbers of 1.55 and 2.0 over a Reynolds number range from 3.5 to 4.1 million per foot. Data were obtained at angles of attack from -8° to $+8^{\circ}$ at 0° sideslip, and at angles of sideslip from -8° to $+8^{\circ}$ at 0° angle of attack.

The basic configuration tested was the 2A Vehicle with the Orbiter at 0° angle of incidence with respect to the external tank. The other deviations to the 2A Configuration were the SRM shrouds, which were designed to vehicle "3" lines, and the tank nose, which consisted of the retro-package being removed and replaced by a 16.5-inch full scale radius nose.

It is to be noted that the data sets for runs RBV 011 through RBV 021 have been eliminated due to erroneous normal and axial force output.

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PLOTTED COEFFICIENTS SCHEDULE:

- (A): CAF, CAB, CN, CLM vs. α , CN vs. CLM
- (B): CAFAFO, CABAFO, CNAFO, CLMAFO, CNAIFA, CLMIFA, XAC/L vs. Mach
- (C): CY, CBL, CYN vs. BETA, CY vs. CYN
- (D): CYBETA, CBLBET, CYNBET, XYAC/L vs. Mach
- (E): DCAFDR, DCN/DR, DCILMDR vs. Mach
- (F): DCY/DR, DCHLDR, DCYNDR vs. Mach
- (G): CP vs. X/C

INTRODUCTION

This report contains information concerning a wind tunnel test of the 0.019-scale Space Shuttle Integrated Vehicle (Jet Plume, 2A configuration) in the Ames 9- by 7-Foot Unitary Wind Tunnel. The test began 23 April 1973 and ended 7 May 1973, for a total of 166 hours. The test identification number is IA12B.

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The purpose of this test was to obtain (1) six-component force and moment data for the integrated vehicle, (2) wing pressure distributions, (3) elevon and rudder bending moments, (4) effect of the jet plumes generated from the two SRM nozzles and the three orbiter MPS nozzles on the integrated vehicle force, pressure, and wing dynamic pressure data, (5) effect of SRM and orbiter nozzle gimbal angle, and (6) effect of SRM shrouds off.

NOMENCLATURE
General

<u>SYMBOL</u>	<u>SAFARI SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	$q(NCM)$ $q(PSF)$	dynamic pressure; $1/2 \rho V^2$, N/m ² , psf
Re/L	Re/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A_b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}_{REF}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>CAE/NAV SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_t - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS_b}$
C_l	CEL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS_b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS_b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS_b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

In addition to the standard notation, the following are special to this test.

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
Ab_{ACPS}		attitude control propulsion system base area, ft^2 (total for two)
Ab_{EOHT}		external tank total base area (cavity plus model base), ft^2
Ab_{OMS}		base area of orbital maneuvering system (minus projected area of OMS nozzle), ft^2 (total for two)
Ab_{OMSN}		nozzle exit area of OMS, ft^2 (total for two)
Ab_{ORB}		total orbiter base area (minus projected exit area of MPS nozzles), ft^2
Ab_{SRM}		SRM shroud base area (minus projected nozzle exit area), (total for two), ft^2
AC_{EOHT}		external tank cavity area, ft^2
AC_{ORB}		orbiter cavity area, ft^2
AC_{SRM}		SRM cavity area, ft^2 (total for two)
A_{NORB}		total exit area of (3) orbiter MPS nozzles, ft^2
A_{NSRM}		total exit area of (2) SRM nozzles, ft^2
b_w		orbiter exposed wing panel semi-span (distance from exposed root chord to tip chord.), inches
\bar{c}_e		elevon M.A.C. length, inches
\bar{c}_r		rudder M.A.C. length, inches
$C_{A_{BAL}}$		balance chord force coefficient (uncorrected)

$C_{A_b}^{ACPS}$	attitude control maneuvering system base chord force coefficient
$C_{A_b}^{EOHT}$	external tank base chord force coefficient (based on A_{b}^{EOHT})
$C_{A_b}^{*EOHT}$	external tank base chord force coefficient (based on A_{C}^{EOHT})
$C_{A_b}^{OMS}$	orbital maneuvering system base chord force coefficient.
$C_{A_b}^{OMSN}$	orbital maneuvering system nozzle base chord force coefficient
$C_{A_b}^{ORB}$	orbiter base chord force coefficient (based on A_{b}^{ORB})
$C_{A_b}^{*ORB}$	orbiter base chord force coefficient (based on A_C^{ORB})
$C_{A_b}^{SRM}$	SRM base chord force coefficient (based on A_{b}^{SRM})
$C_{A_b}^{*SRM}$	SRM base chord force coefficient (based on A_C^{SRM})
$C_{A_C}^{EOHT}$	external tank cavity chord force coefficient (corrected to base pressure)
$C_{A_C}^{*EOHT}$	external tank cavity chord force coefficient (based on A_C^{EOHT} and EOHT cavity pressures)
$C_{A_C}^{ORB}$	orbiter cavity chord force coefficient (corrected to base pressure)
$C_{A_C}^{*ORB}$	orbiter cavity chord force coefficient (based on A_C^{ORB} and orbiter cavity pressures)

$C_{A_{C_{SRM}}}$		SRM cavity chord force coefficient (corrected to base pressure)
$C_{A_{C_{SRM}}}^*$		SRM cavity chord force coefficient (based on $A_{C_{SRM}}$ and SRM cavity pressures)
$C_{A_{N_{ORB}}}$		orbiter nozzle chord force coefficient
$C_{A_{N_{SRM}}}$		SRM nozzle chord force coefficient
C_{A_f}		ascent vehicle forebody chord force coefficient
C_{A_T}		ascent vehicle total chord force coefficient
C_{B_l}		ascent vehicle rolling moment coefficient
$C_{H_e()}$	CHEI CHEO	elevon hinge moment coefficient (Subscript denotes inboard or outboard)
C_{H_r}	CHR	rudder hinge moment coefficient
C_{m_f}		ascent vehicle forebody pitching coefficient
C_{m_t}		ascent vehicle total pitching moment coefficient
$C_{m_{BAL}}$		balance pitching moment coefficient
C_N		ascent vehicle normal force coefficient
$C_P()$		Wing, base, cavity, and upper MPS nozzle pressure coefficient
C_Y		ascent vehicle side force coefficient
C_{Y_n}		ascent vehicle yawing moment coefficient
\bar{C}_W		mean aerodynamic chord of exposed wing panel (based on S_W), inches

GP1 upper orbiter nozzle; degrees of pitch that the engine is gimballed from null

GP2 lower left orbiter nozzle; degrees of pitch that the engine is gimballed from null

GP3 lower right orbiter nozzle; degrees of pitch that the engine is gimballed from null.

GP4 left SRM nozzle; degrees of pitch that the nozzle is gimballed from null.

GP5 right SRM nozzle; degrees of pitch that the nozzle is gimballed from null.--

GY2 lower left orbiter nozzle; degrees of yaw that the engine is gimballed from null.

GY3 lower right orbiter nozzle; degrees of yaw that the engine is gimballed from null.

GIMBAL 1: GY2=3.5°, GY3=-3.5°
2: GP1=GP2=GP3=11°; GP4=GP5=5°

$G_P()$ gimbal pitch angle of nozzle from null position (denoted by subscript), degrees

$G_Y()$ gimbal yaw angle of nozzle from null position (denoted by subscript), degrees

i incidence angle of orbiter reference plane with respect to EOHT reference plane, degrees

$K_e()$ elevon hinge moment gage calibration factor (subscript denotes inboard or outboard) in.-lb/ct

$K_{r_{pe}}$ ratio of Measured to Theoretical Exit Pressure
$$P_{e \text{ meas}} / P_{e \text{ true}}$$

K_r rudder hinge moment gage calibration factor, in.-lbs/ct

K_{ij} wing gage calibration factor, in.-lb/ct where i = gage number and j = order of K in the second degree calibration curve fit

L rolling moment balance output, in.-lbs

x_{REF}	longitudinal reference length, inches
M_∞	tunnel freestream Mach number
$m'_e()$	elevon hinge moment gage output, raw data counts where subscript denotes inboard or outboard panel
m'_r	rudder hinge moment gage output, raw data counts
$MRP(x_T, y_T, z_T)$	moment reference point in X,Y,Z coordinates, inches
OPR	orbiter nozzle pressure ratio, P_e/P_t
$P_e()$	nozzle exit static pressure (denoted by a subscript), psia
$P()$	model pressure, psfa
P_o	tunnel static pressure, psfa
P_T	tunnel total pressure, psfa
POWER	on: (1) indicates air pressure being supplied to plenums off: (0) indicates no air pressure being supplied to plenums
q	tunnel freestream dynamic pressure, psf
$R_{1,2}$	thermocouple calibration factor, $^{\circ}R/ct$; 1 is orbiter, 2 is SRM
$RP_C()$	ratio of plenum total pressure to P_T , denoted by a subscript
$RP_e()$	ratio of nozzle exit static pressure to P , denoted by a subscript
RN	tunnel Reynolds number, per foot
S_e	elevon area (total one side) ft^2
S_r	rudder area, ft^2
SRMPR	SRM nozzle pressure ratio, P_e/P_t

S_w	area of one exposed wing panel (includes glove area), ft^2
S_{REF}	reference area, ft^2
T_o	tunnel freestream static temperature, $^{\circ}R$
T_T	tunnel total temperature, $^{\circ}R$
W_{Fi}	model pressure weighting factor, either 0 or 1
XCP	model station for center of pressure (X_T), inches
X_W	model station of exposed wing panel center of pressure location (X_T), inches
X_o	orbiter longitudinal station, inches
X_{HL}	orbiter station of exposed wing torsional axis, inches
X_T	EOHT longitudinal station, inches
Y_o	orbiter spanwise station, inches
Y_{ROOT}	orbiter spanwise station of exposed wing root chord, inches
Y_T	EOHT spanwise station, inches
Y_W	orbiter spanwise station of exposed wing panel center of pressure location, inches
Z_{bACPS}	vertical distance from centroid of ACPS base area to MRP (positive above MRP), inches
Z_{bEOHT}	vertical distance from centroid of EOHT base area to MRP (positive MRP), inches
Z_{bOMS}	vertical distance from centroid of OMS base area to MRP (positive above MRP), inches
Z_{bOMSN}	vertical distance from centroid of OMS nozzle base area to MRP (positive above MRP), inches
Z_{bORB}	vertical distance from centroid of ORB base area to MRP (positive above MRP), inches

Z_{bSRM}		vertical distance from centroid of SRM base area to MRP (positive above MRP), inches
Z_{cEOHT}		vertical distance from centroid of EOHT cavity area to MRP (Positive above MRP), inches
Z_{CORB}		vertical distance from centroid of orbiter cavity area to MRP (positive above MRP), inches
Z_{CSR}		vertical distance from centroid of SRM cavity area to MRP (positive above MRP), inches
Z_{NORB}		vertical distance from centroid of orbiter nozzle exit area to MRP (positive above MRP), inches
Z_{NSRM}		vertical distance from centroid of SRM nozzle exit area to MRP (positive above MRP), inches
δ_a	AILRON	aileron deflection defined as $(\delta_{eL} - \delta_{eR})/2$, degrees
δ_e	ELEVON	elevon deflection defined as $(\delta_{eL} + \delta_{eR})/2$, degrees
δ_r	RUDDER	rudder deflection, degrees
α	ALPHA	ascent vehicle angle of attack, degrees
β	BETA	ascent vehicle angle of sideslip, degrees
$\Delta\delta_r$	DR	incremental rudder deflection, difference between two runs, degrees
η	ETA	spanwise location, percent semi-span
$C_{Af_{\alpha=0}}$	CAFAFO	forebody axial force coefficient at zero angle of attack
$C_{Ab_{\alpha=0}}$	CABAFO	base axial force coefficient at zero angle of attack
$C_{m_{\alpha}}$	CLMALF	pitching moment coefficient derivative with alpha, $\partial C_m / \partial \alpha$
$C_{m_{\alpha=0}}$	CLMAFO	pitching moment coefficient at zero angle of attack

$C_{N_{\alpha}}$	CNALFA	normal force coefficient derivative with alpha, $\partial C_N / \partial \alpha$
$C_{N_{\alpha=0}}$	CNAFO	normal force coefficient at zero angle of attack
	XAC/L	longitudinal aerodynamic center, percent of body length
	CYBETA	side force derivative with beta, $\partial C_Y / \partial \beta$, per degree
	CBLBET	rolling moment coefficient derivative with beta, $\partial C_l / \partial \beta$, per degree
	CYNBET	yawing moment coefficient derivative with beta, $\partial C_n / \partial \beta$, per degree (body axis)
	XYAC/L	lateral aerodynamic center, percent of body length
	DCAFDR	forebody axial force due to rudder, difference between forebody axial force coefficient of two runs divided by their corresponding difference in rudder deflection, per degree
	DCN/DR	normal force due to rudder, difference between normal force coefficient of two runs divided by their corresponding difference in rudder deflection, per degree
	DCIMDR	pitching moment due to rudder, difference between pitching moment coefficient of two runs divided by their corresponding difference in rudder deflection, per degree
	DCY/DR	side force due to rudder, difference between pitching moment coefficient of two runs divided by their corresponding difference in rudder deflection, per degree
	DCBLDR	rolling moment due to rudder, difference between rolling moment coefficient of two runs divided by their corresponding difference in rudder deflection, per degree
	DCYNDR	yawing moment due to rudder, difference between the yawing moment coefficient of two runs divided by their corresponding difference in rudder deflection, per degree

X/C	chordwise location
P_c/P_{T_∞}	ratio of nozzle chamber pressure to freestream tunnel total pressure
P_e/P_{T_∞}	ratio of nozzle exit pressure to freestream tunnel total pressure

Subscripts

a	aileron
ACPS	attitude control propulsion system
c	nozzle chamber
e	elevon
EOHT	external oxygen hydrogen tank
I	inboard
L	left
O	outboard
OMS	orbital maneuvering system
OMSN	orbital maneuvering system nozzle
ORB	orbiter
r	rudder
R	right
SRM	solid rocket motor
T	total
W	wing
1	top MPS nozzle
2	left MPS nozzle
3	right MPS nozzle
4	left SRM nozzle
5	right SRM nozzle

CONFIGURATIONS INVESTIGATED

The model tested was an 0.019-scale representation of the Space Shuttle Integrated Vehicle. The model has the capability of simulating the jet plumes generated from the SRM and Orbiter MPS nozzles by plumbing cold high pressure air to the model nozzles.

The Orbiter fuselage is constructed of aluminum and Armco steel. The Orbiter is rigidly attached to the EOHT. The Orbiter MPS nozzles are attached to the non-metric air supply system which runs through the sting support.

The Orbiter MPS nozzles are constructed of Armco steel. There are two (2) sets of nozzles. One set has the capability of being set at various gimbal angle positions. The nozzles in the other set are at fixed gimbal positions with the upper MPS nozzle instrumented with twelve (12) exterior static pressure taps. Both sets have the same internal nozzle lines and are used for all Mach numbers. The gimbaling nozzle limits are $\pm 11^\circ$ pitch and $\pm 9^\circ$ yaw from null positions.

The EOHT is constructed of aluminum and sting mounted on an internal balance.

The SRM's are constructed of aluminum and rigidly attached to the EOHT. The nozzles of the SRM's are attached to the non-metric air supply system which runs through the sting support. The gimbal limits on SRM nozzles are $\pm 5^\circ$ pitch and $\pm 5^\circ$ yaw from the null position.

The Orbiter wing is constructed of Armco steel with the right panel being instrumented with forty (40) static pressure taps and the left

panel being instrumented with a two-flexure, three-component bending moment balance. (The balance was inoperative during this test.)

The elevons are constructed of Armco steel and are fixed at a zero deflection position. The elevons on the left hand wing panel are instrumented with hinge moment strain gages.

The vertical tail is constructed of Armco steel and rigidly attaches to the Orbiter.

The rudder is constructed of Armco steel and is attached to the vertical tail through strain gage instrumented members which are used for measuring rudder hinge moments. The rudder deflections are $\pm 10^\circ$ from the 0° position.

Off-blocks were made for removable model parts.

Configuration Nomenclature

<u>Component</u>	<u>Definition</u>
B-10	Body
C-5	Canopy
D-7	Manipulator Housing
F-4	Body Flap
M-3	OMS Pods
N-8	OMS Nozzles
N-9	Orbiter Nozzles
N-11	SRM Nozzles (baseline) $M_{\infty} = 1.55$ & 2.0
V-5	Vertical Tail
R-5	Rudder
W-87	Wing
E-18	Elevon
X-8	Transition Strip
S-8	SRM (baseline)
S-9	SRM (shrouds off)
T-10	EOHT

Configurations Tested

Configuration	Description
$O_1 T_1 C_1$	$B_{10} C_5 D_7 F_4 M_3 N_8$ $N_9 N_{11} V_5 R_5 W_8 E_{18}$ $X_8 S_8 T_{10}$
$O_1 T_1 S_2$	$B_{10} C_5 D_7 F_4 M_3 N_8$ $N_9 N_{11} V_5 R_5 W_8 E_{18}$ $X_8 S_9 T_{10}$

The orbiter had three MPS nozzles whose individual gimbal points each define the origin of three separate reference systems. These reference systems are shown in figure 1 (b). Positive indications of gimbal pitch and gimbal yaw are shown.

Figure 1 (c) is an enlarged view of one of these reference systems. All three planes shown are at right angles to one another. The dashed lines are projections of the nozzle centerline onto the pitch and yaw planes of the reference system. (α) is the angle of pitch, either up or down; (ψ) is the angle of yaw, either right or left.

Each nozzle is physically set to a gimbal angle of pitch and/or yaw by an apparatus which measures (ϕ), some radial direction in the base plane and (γ), the angle from that radial to the nozzle centerline. The ϕ sector is determined by (α) and (ψ):

ϕ	α	ψ
270° to 360°	0° to +90°	0° to +90°
180° to 270°	0° to -90°	0° to +90°
90° to 180°	0° to -90°	0° to -90°
0° to 90°	0° to +90°	0° to -90°

All test programs for this model use the symbol G_p , to denote the angle that the centerline of the nozzle is pitched (up or down), and G_y , as the angle that the centerline of the nozzle is yawed (right or left). Up and left are both in the positive direction (when looking forward).

Since all angles are defined from the nozzle null position, the relationships are as follows:

$$(1) \quad G_p = \alpha - \alpha_{null}$$

$$(2) \quad G_y = \psi - \psi_{null}$$

where α_{null} is the angle that the nozzle centerline is pitched from the reference system axis to null position, and ψ_{null} is the angle that the nozzle centerline is yawed from the reference system axis to null position (figure 1(c)).

The α_{null} and ψ_{null} are specified for each MPS nozzle in the dimensional data for N_9 and N_{10} . It should be noted here, that a side view of the orbiter shows that the nozzle base plate is rotated 13° from vertical (figure 1(b)). Therefore, the three independent nozzle reference systems for nozzle pitch differ from the orbiter's X_0 , Y_0 , Z_0 reference system by a 13° rotation angle from vertical.

The following equations were used to convert nozzle gimbal angles, α and ψ , to ϕ and γ , the two angles that the fixture uses to duplicate the given angles:

$$(1) \quad \tan \phi = \frac{-\tan \psi}{\tan \alpha}$$

$$(2) \quad \tan \gamma = \frac{\sin \phi + \cos \phi}{\tan \alpha - \tan \psi}$$

Also, $\theta = 90^\circ - \gamma$ for the following fixture settings:

TOP NOZZLE:

AERO SETTING	FIXTURE SETTING	
	ϕ	θ
Null & Firing $G_Y = G_P = 0$	0°	$+3^\circ$
$G_P = +11$	0°	$+14^\circ$
$G_P = -11$	180°	8°
$G_Y = +9$	288°	9.5°
$G_Y = -9$	71.7°	9.5°
$G_P = +11, G_Y = -9$	32.5°	16.5°

BOTTOM LEFT NOZZLE:

Firing (R3.5) $G_Y = -3.5$	180°	3°
$G_P = +11$	336.5°	8.7°
$G_P = -11$	193.6°	14.4°
$G_Y = +9$	256.7°	12.8°
$G_Y = -9$	118.3°	6.2°
$G_P = +11, G_Y = -9$	34.42°	9.7°
Null $G_P = 0 = G_Y$	229.4°	4.6°

BOTTOM RIGHT NOZZLE:

AERO SETTING		FIXTURE SETTING	
Firing (L3.5) $G_Y = +3.5$		180°	3°
$G_P = +11$		23.5°	8.7°
$G_P = -11$		166.2°	14.4°
$G_Y = +9$		241.8°	6.2°
$G_Y = -9$		103.3°	12.8°
$G_P = +11, G_Y = -9$		57.7°	14.7°
Null $G_P = 0 = G_Y$		130.6°	4.6°

TEST FACILITY

The tests were conducted in the Ames 9- by 7-Foot Supersonic Wind Tunnel. This tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

TESTING AND PROCEDURE

A six-component 2.5 inch Task MK XI-A internal balance was mounted in the EOHT and measured the total forces on the integrated vehicle.

Model fouling strips were mounted around the sting at the base of the EOHT, and around the orbiter and BSRM plenums.

The pressure instrumentation for the Integrated Vehicle is itemized below for each component. The pressures marked with an asterick (*) were measured by model mounted scanivalves, and the remaining pressures were measured on individual transducers outside of the model.

Orbiter Pressures:

- *(4) Orbiter base statics
- (3) MPS engine totals
- (3) MPS internal nozzle statics
- *(2) MPS nozzle cavity statics
- *(1) OMS nozzle base
- *(1) OMS base
- *(1) ACPS base

EOHT Pressures:

- *(2) EOHT base statics
- *(2) Balance chamber statics

BSRM Pressures:

- *(2) BSRM nozzle cavity statics
- (2) BSRM internal nozzle statics
- (2) BSRM nozzle totals
- *(4) BSRM internal shroud statics

Wing Panel Pressures (Righthand Panel):

- *(23) Static pressure taps on top of panel
- *(17) Static pressure taps on bottom of panel
- (6) Dynamic pressures on top of panel
- (2) Dynamic pressures on bottom of panel
- (2) Dynamic pressures on the side of fuselage

Hinge Moment Measurement

The left hand wing panel is attached to the Orbiter by means of two (2) strain gaged tangs. Bending moment measurements were not good.

The elevons on the left hand wing panel were strain gage instrumented for measuring hinge moments about the elevon hinge line. There are two (2) elevon panels per wing panel with the two (2) elevon panels of the left wing being independently instrumented. The hingeline is at Orbiter station $X_0 = 1387$ in. full scale or $X_0 = 26.35$ in. model scale.

The rudder was strain gage instrumented to measure the bending moment about the rudder hinge line. (Rudder hingeline is on the 60 percent element line.)

The integrated vehicle angle-of-attack was measured by a pendulum type angle transducer. The angle transducer was mounted in the nose of the EOHT.

Jet Plume Simulation

The Ames Unitary Tunnel high pressure air supply was utilized for cold jet plume simulation of the jet plumes emanating from the Orbiter MPS and the BSRM nozzles.

The Orbiter MPS and the SRM nozzles were each on an independent air supply system which allows for separate throttling of each system of nozzles.

Plume shapes for various Mach number/nozzle combinations were produced by setting specific values of either P_C/P_{T_∞} or P_e/P_{T_∞} . Nominal settings for plume shapes are outlined in table 3 for Orbiter nozzle and BSRM nozzle.

DATA REDUCTION

Aerodynamic forces and moments were reduced in the body-axis system. Cavity and base-pressure measurements were used to make adjustments to the force and moment data. The following equations were used for these adjustments.

Ascent vehicle total chord force coefficient (C_{AT}):

$$C_{AT} = C_{ABAL} + C_{ACORB} + C_{ACEOHT} + C_{ACSRM} + C_{ANORB} + C_{ANSRM}$$

where:

$$C_{ACORB} = - C_{ACORB}^* + C_{AbORB}^*$$

$$C_{ACEOHT} = - C_{ACEOHT}^* + C_{AbEOHT}^*$$

$$C_{ACSRM} = - C_{ACSRM}^* + C_{AbSRM}^*$$

$$C_{ACORB}^* = - \frac{\sum_{i=1}^{102} C_{P_i} \left(\frac{A_{CORB}}{S_{REF}} \right)}{\sum_{i=1}^{102} W_{F_i}}$$

$$C_{AbORB}^* = - \frac{\sum_{i=1}^{204} C_{P_i} \left(\frac{A_{CORB}}{S_{REF}} \right)}{\sum_{i=1}^{204} W_{F_i}}$$

$$C_{ANORB} = + \frac{\sum_{i=1}^{204} C_{P_i} \left(\frac{A_{NORB}}{S_{REF}} \right)}{\sum_{i=1}^{204} W_{F_i}}$$

$$C_{ACEOHT}^* = - \frac{\sum_{i=1}^{304} C_{P_i} \left(\frac{A_{CEOHT}}{S_{REF}} \right)}{\sum_{i=1}^{304} W_{F_i}}$$

$$C_{A_{EOHT}}^* = - \frac{\sum_{i=1}^{302} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{301} \frac{C_{P_i}}{WF_i}} \left(\frac{A_{EOHT}}{S_{REF}} \right)$$

$$C_{A_{SRM}}^* = - \frac{\sum_{i=1}^{104} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{103} \frac{C_{P_i}}{WF_i}} \left(\frac{A_{SRM}}{S_{REF}} \right)$$

$$C_{A_{SRM}}^* = - \frac{\sum_{i=1}^{404} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{401} \frac{C_{P_i}}{WF_i}} \left(\frac{A_{SRM}}{S_{REF}} \right)$$

$$C_{A_{SRM}}^* = + \frac{\sum_{i=1}^{404} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{401} \frac{C_{P_i}}{WF_i}} \left(\frac{A_{SRM}}{S_{REF}} \right)$$

Ascent vehicle total pitching moment coefficient (C_{M_T}):

$$\begin{aligned} C_{M_T} = C_{M_{BAL}} &- C_{A_{ORB}}^* \left[\frac{Z_{ORB}}{l_{REF}} \right] + C_{A_{ORB}}^* \left[\frac{Z_{ORB}}{l_{REF}} \right] \\ &+ C_{A_{ORB}}^* \left[\frac{Z_{ORB}}{l_{REF}} \right] - C_{A_{EOHT}}^* \left[\frac{Z_{EOHT}}{l_{REF}} \right] + C_{A_{EOHT}}^* \left[\frac{Z_{EOHT}}{l_{REF}} \right] \\ &- C_{A_{SRM}}^* \left[\frac{Z_{SRM}}{l_{REF}} \right] + C_{A_{SRM}}^* \left[\frac{Z_{SRM}}{l_{REF}} \right] + C_{A_{SRM}}^* \left[\frac{Z_{SRM}}{l_{REF}} \right] \end{aligned}$$

Substituting:

$$\begin{aligned} C_{M_T} = C_{M_{BAL}} &+ C_{A_{ORB}}^* \left[\frac{Z_{ORB}}{l_{REF}} \right] + C_{A_{ORB}}^* \left[\frac{Z_{ORB}}{l_{REF}} \right] + C_{A_{EOHT}}^* \left[\frac{Z_{EOHT}}{l_{REF}} \right] \\ &+ C_{A_{SRM}}^* \left[\frac{Z_{SRM}}{l_{REF}} \right] + C_{A_{SRM}}^* \left[\frac{Z_{SRM}}{l_{REF}} \right] \end{aligned}$$

Forebody chord force coefficient (C_{Af}):

$$C_{Af} = C_{AT} - C_{Ab_{ORB}} - C_{Ab_{EOHT}} - C_{Ab_{SRM}} \\ - C_{Ab_{OMS}} - C_{Ab_{OMSN}} - C_{Ab_{ACPS}}$$

where:--

$$C_{Ab_{ORB}} = - \frac{\sum_{i=1}^{204} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{204} \frac{C_{P_i}}{WF_i}} \left[\frac{A_{b_{ORB}}}{S_{REF}} \right]$$

$$C_{Ab_{EOHT}} = - \frac{\sum_{i=1}^{302} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{302} \frac{C_{P_i}}{WF_i}} \left[\frac{A_{b_{EOHT}}}{S_{REF}} \right]$$

$$C_{Ab_{SRM}} = - \frac{\sum_{i=1}^{404} \frac{C_{P_i}}{WF_i}}{\sum_{i=1}^{404} \frac{C_{P_i}}{WF_i}} \left[\frac{A_{b_{SRM}}}{S_{REF}} \right]$$

$$C_{Ab_{OMSN}} = (C_{P305}) \left[\frac{A_{b_{OMSN}}}{S_{REF}} \right]$$

$$C_{Ab_{OMS}} = -C_{P105} \left[\frac{A_{b_{OMS}}}{S_{REF}} \right]$$

$$C_{Ab_{ACPS}} = -(C_{P105}) \left[\frac{A_{b_{ACPS}}}{S_{REF}} \right]$$

Ascent vehicle forebody pitching moment (C_{M_f}):

$$C_{M_f} = C_{M_T} - C_{A_{bORB}} \left[\frac{Z_{bORB}}{l_{REF}} \right] - C_{A_{bEOHT}} \left[\frac{Z_{bEOHT}}{l_{REF}} \right] \\ - C_{A_{bSRM}} \left[\frac{Z_{bSRM}}{l_{REF}} \right] - C_{A_{bOMS}} \left[\frac{Z_{bOMS}}{l_{REF}} \right] \\ - C_{A_{bOMSN}} \left[\frac{Z_{bOMSN}}{l_{REF}} \right] - C_{A_{bACPS}} \left[\frac{Z_{bACPS}}{l_{REF}} \right]$$

Wing, base, cavity, and upper MPS nozzle pressure coefficient (C_{P_i}):

$$C_{P_i} = \left(\frac{P_i - P_o}{q} \right)$$

Elevon hinge moment (C_{H_e}):

$$C_{H_{eI}} = \frac{m'_{eI} K_{eI}}{q S_e C_e} \text{ (Inboard)}$$

$$C_{H_{eO}} = \frac{m'_{eO} K_{eO}}{q S_e C_e} \text{ (outboard)}$$

$$C_{H_{eT}} = C_{H_{eI}} + C_{H_{eO}}$$

where:

m' = raw cts

K = calibration factor (in.-lb/ct)

Rudder hinge moment (C_{H_r}):

$$C_{H_r} = \frac{m'_r K_r}{q S_r \bar{c}_r}$$

Jet Plume Parameters ($RPC()$, $RP_e()$):

$$RPC() = 144 \frac{P_C()}{P_T}$$

$$RP_e() = 144 \frac{P_e()}{P_T} \left[\frac{1}{K_{r_{pe}}} \right]$$

Reference Dimensions and Constants

	<u>.Full Scale</u>	<u>Model Scale</u>
A_{bACPS}	28.42 ft ²	0.01026 ft ²
A_{bEOHT}	572.56 ft ²	0.2067 ft ²
A_{bOMS}	16.973 ft ²	0.00613 ft ²
A_{bOMSN}	25.631 ft ²	0.00925 ft ²
A_{bORB}	226.75 ft ²	0.08186 ft ²
A_{bSRM}	383.94 ft ²	0.1386 ft ²
A_{CEOHT}	366.5 ft ²	0.132 ft ²
A_{CORB}	302.40 ft ²	0.1092 ft ²
A_{CSR}	181.378 ft ²	0.0654 ft ²
A_{NORB}	141.44 ft ²	0.0511 ft ²
A_{NSRM}	347.36 ft ²	0.1254 ft ²
b_w	363.341 in.	6.903 in.
C_e	90.7 in.	1.723 in.
C_r	74.4 in.	1.414 in.
\bar{C}_w	513.474 in.	9.756 in.
K_{eI}	(pos) = 26.20 $\frac{\text{in-lb-v}}{\text{mv}}$	(neg) = 26.39 $\frac{\text{in-lb-v}}{\text{mv}}$

Reference Dimensions and Constants (Continued)

	<u>Full Scale</u>	<u>Model Scale</u>
K_{e_o}	(pos) = 27.03 $\frac{\text{in-lb-v}}{\text{mv}}$	(neg) = 27.42 $\frac{\text{in-lb-v}}{\text{mv}}$
$K_{r_{pe}}$	(ORB) = 1.060	(SRM) = 1.070
K_r	(pos) = 20.800 $\frac{\text{in-lb-v}}{\text{mv}}$	(neg) = 20.885 $\frac{\text{in-lb-v}}{\text{mv}}$
l_{REF}	1328.0 in.	25.232 in.
$MRP(x_T, y_T, z_T)$	(953, 0.0, 400) in.	(18.11, 0.0, 7.60) in.
s_e	210.0 ft ² per wing panel	0.0758 ft ²
s_r	106.38 ft ²	0.0384 ft ²
s_w	1006.5 ft ²	0.363 ft ²
s_{REF}	2690.0 ft ²	0.971 ft ²
x_w	_____	0.5289 in.
x_{HL}	1150.79 in.	21.865 in.
y_w	_____	0.1586 in.
y_{ROOT}	105.0 in.	1.995 in.
$z_{b_{ACPS}}$	402.987 in.	7.656 in.
$z_{b_{EOHT}}$	0.0	0.0
$z_{b_{OMS}}$	415.505 in.	7.895 in.
$z_{b_{OMSN}}$	437.94 in.	8.321 in.

Reference Dimensions and Constants (Concluded)

	<u>Full Scale</u>	<u>Model Scale</u>
Z_{bORB}	310.0 in	5.80 in.
Z_{bSRB}	0.0	0.0
Z_{cEOHT}	0.0	0.0
Z_{cORB}	349.66	6.60 in.
Z_{cSRM}	0.0	0.0
Z_{NORB}	335.0 in.	6.36 in.
Z_{NSRM}	0.0	0.0

Component Hinge Moment Data

The left hand wing panel was instrumented with a single-flexure three component moment balance. This balance was temperature compensated and gave accurate measurements at all tunnel temperatures.

The two elevons of the left hand wing panel and the rudder were each instrumented with single component moment balances. These balances were not temperature compensated and experienced large zero shifts during the test. During any specific pitch or yaw run the zero shifts were negligible. However, during a series of pitch and yaw runs the zero shifts happened at a point that cannot be determined. The sensitivity did not change. The tabulated data for these components ($C_{He(I)}$, $C_{He(O)}$, C_{HR}) are presented and should be used only for obtaining slopes of these measurements vs. α or β and should not be used for defining magnitude of the moment load.

TABLE 1:

[illegible]

TABLE 2.
TEST ARC 97-710 DATA SET/RUN NUMBER
COLLATION SUMMARY

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		MACH NUMBERS		NO. of RUNS	PARAMETERS/VALUES						TEST RUN NUMBERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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REV 001	Φ, T, S,	A	0		1		5	—	—	FF	12.5	3.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

7 13 19 25 31 37 43 49 55 61 67 75.76
CN CA CLM CY CYN CAB CHEI CHED CHR CAC
COEFFICIENTS: $\alpha A = -80.70 + 8.0 \times 10^{-5}$ INCREMENT 1.5
 $\beta B = -80.70 + 8.0 \times 10^{-5}$ INCREMENT 1.5
 SCHEDULES
IDPVAR(1) IDPVAR(2) INDV

* RUNS ARE AT THE WRONG VALUE OF P_c

TABLE 2. - Continued.
 TEST ARC 97-710 DATA SET/RUN NUMBER
 COLLATION SUMMARY

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIED	CONFIGURATION	SCHD.		MACH NUMBERS		NO. of RUNS	PARAMETERS/VALUES					TEST RUN NUMBERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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1 7 13 19 25 31 37 43 49 55 61 67 75 76
 CN 10A 10LM 10G 10CYN 10CBL 10CHEI 10CHEO 10CHR 10CAF
 COEFFICIENTS: IDPVAR(1) IDPVAR(2) INDV

0 OF 8 SCHEDULES
 0A = -8" TO 15" BY 2" INCREMENTS
 0B = -8" TO 15" BY 2" INCREMENTS

TEST ARC97-710 DATA SET/RUN NUMBER
COLLATION SUMMARY

☐ PRETEST ☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		MACH NUMBERS		NO. of RUNS	PARAMETERS/VALUES							
		A	B	1,55	2,0		GP1	GP2	GP3	GP4	GP5			
RBV 040	0,1,1,1	A	0				0°	4085	5571	0N	11°	11°	5°	5°
041		0	B		41		0°	4085	5571	0N				
042		0	B	42			0°	4335	4687	0N				
043		A	0	43			0°	4335	4687	0N				
044		A	0	44			0°	4335	1450	0N				
045		0	B	45			0°	4335	1450	0N				
046		0	B	46			0°	4335	1740	0N				
047		A	0	47			0°	4335	1790	0N				
048		A	0		48		0°	4085	2124	0N				
049		A	0		49		0°	4085	12454	0N				
050		0	B		50		0°	4085	12454	0N				
051		0	B		51		0°	4085	2128	0N				

	7	13	25	31	37	43	49	55	61	67	7576
CN	CA	CLM	CY	CYN	"BA	GEE	FEEZ	CHP	CAF		
COEFFICIENTS:										IDPVAR(1)	IDPVAR(2) INCV

$\Delta A = -1^\circ$ to $+8^\circ$ by 2° INCREMENTS
 $\Delta E = -2^\circ$ to $+3^\circ$ by 2° INCREMENTS

a or b
SCHEDULES

TABLE 2. - Concluded.

TEST ARC97-710 DATA SET/RUN NUMBER
COLLATION SUMMARY

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		MACH NUMBERS		NO. of RUNS	PARAMETERS/VALUES					TEST RUN NUMBERS									
		A	B	1	2		Run 1	Run 2	Run 3	Run 4	Run 5	6	7	8	9	10	11	12	13	14	15
RBV 052	φ, T, S ₂	A	0	52			0	.405	1.050	ON	43.5	-3.5									
053		A	0	53			0	.405	1.050	ON											
054		A	0	54			0	—	—	OFF											
055		A	0		55		0	—	—	OFF											
056		A	0		56		0	.405	1.050	ON											
057		A	0		57		0	.405	1.050	ON											
058		0	B		58		0	—	—	OFF											
059		0	B		59		0	.405	1.050	ON											
060		0	B		60		0	.405	1.050	ON											
061		0	B		61		0	.405	1.050	ON											
062		0	B		62		0	.405	1.050	ON											
063		0	B		63		0	—	—	OFF											

COEFFICIENTS:
A OF B
SCHEDULES
CA = -8° to +8° INCREMENTS
CB = -8° to +8° INCREMENTS

TABLE 3.

Nozzle	M_∞	2A Trajectory P_∞ , psfa	P_C/P_∞	P_∞/P_T	P_C/P_T	P_C/P_{eTrue}	P_{eTrue}/P_T	$P_{e_{nea}}/P_{eTrue*}$	$P_{e_{nea}}/P_T$
SRN	0.9	1107.0	108.40	0.5913	64.0969	104.17	0.6153		
SRN	1.25	610.0	229.5	0.3861	88.61	104.17	0.8505		
SRN	1.55	387.7	284.70	0.2533	72.1145	153.85	0.4687	1.070	0.5015
SRN	2.0	201.1	670.61	0.1278	85.7040	153.85	0.5571	1.070	0.5961
SRN	3.0	49.8	2448.80	0.02722	66.6560	147.06	0.4533		
SRN	3.5	26.3	5277.90	0.01311	69.1930	147.06	0.4705		
Orbiter	0.9	1107.0	47.87	0.5913	28.3055	84.00	0.3370	1.060	0.3572
Orbiter	1.25	610.0	93.77	0.3861	36.2046	84.00	0.4310	1.060	0.4569
Orbiter	1.55	387.7	143.41	0.2533	36.3258	84.00	0.4325	1.060	0.4584
Orbiter	2.0	201.1	268.52	0.1278	34.3169	84.00	0.4085	1.060	0.4330
Orbiter	3.0	49.8	993.98	0.02722	27.0560	84.00	0.3221	1.060	0.3414
Orbiter	3.5	26.3	1908.74	0.01311	25.0235	84.00	0.2979	1.060	0.3158

*Obtained From Nozzle Calibration

NOZZLE OPERATING CONDITIONS

TABLE 4
MODEL DIMENSIONAL DATA

MODEL COMPONENT: BIO - Body

GENERAL DESCRIPTION: Fuselage, 2A Configuration, lightweight. Orister per
Rockwell Lines VL70-000089 "B".

Scale Model = 0.019

DRAWING NUMBER:

VL70-000089 "B"
VL70-000092, 93, 94 "A"
SS-A-00092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length ~ in.	<u>1328.3</u>	<u>25.258</u>
Max. Width ~ in. ($\phi X_0 = 1528.3$)	<u>265.0</u>	<u>5.036</u>
Max. Depth ~ in. ($\phi X_0 = 1480.52$)	<u>248.0</u>	<u>4.712</u>
Fineness Ratio	<u>5.012</u>	<u>5.012</u>
Area ~ Ft. ²		
Max. Cross-Sectional	<u>456.4</u>	<u>0.1648</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>-</u>	<u>-</u>

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: C5 Orbiter Canopy

GENERAL DESCRIPTION: Orbiter Canopy for Light Weight Orbiter Configuration

Model Scale = 0.019

DRAWING NUMBER: VL-70-000092

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
STA. FWD. Bulkhead, in	<u>391.0</u>	<u>7.429</u>
STA. T.E., in	<u>560.0</u>	<u>10.640</u>
Canopy/Body Intersection, IN	<u>391.0</u>	<u>7.429</u>

TABLE 4. (Continued)
MODEL DIMENSIONAL DATA

MODEL COMPONENT: D7 - Manipulator Housing

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL70-000093

Scale Model = 0.019

DRAWING NUMBER: VL70-000093; SS-A-00092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length ~ in.	<u>891.0</u>	<u>16.759</u>
Max. Width ~ in.	<u>51.0</u>	<u>0.969</u>
Max. Depth ~ in.	<u>23.0</u>	<u>0.437</u>
Fineness Ratio	<u>-</u>	<u>-</u>
Area		
Max. Cross-Sectional	<u>-</u>	<u>-</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>-</u>	<u>-</u>

Location at:

Fuselage BP = 0.0
 WP = 500.0 INFS
 X₀426.0 to X₀1307.0 INFS

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FA Body Flap

GENERAL DESCRIPTION: Aft Body Flap Used on Light Weight Orbiter Configuration

Model Scale = 0.019

DRAWING NUMBER: VL-70-000094 "A", SS-A-00092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, in	<u>84.70</u>	<u>1.604</u>
Max. Width, in	<u>265.00</u>	<u>5.035</u>
Max. Depth	<u>-</u>	<u>-</u>
Fineness Ratio	<u>-</u>	<u>-</u>
Area, ft ²		
Max. Cross-Sectional	<u>-</u>	<u>-</u>
Planform	<u>142.64</u>	<u>0.05149</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>38.65</u>	<u>0.01395</u>

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: M₃ - OMS POD

GENERAL DESCRIPTION: 2A Lightweight Orbiter Configuration per Rockwell Lines
VL70-000094 "A"

Scale Model = 0.019

DRAWING NUMBER: VL70-000094 "A"; SS-A-00092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length ~ in.	<u>346.0</u>	<u>6.574</u>
Max. Width ~ in. @ X ₀ 1450.0	<u>108.0</u>	<u>2.052</u>
Max. Depth ~ in. @ X ₀ 1500.0	<u>113.8</u>	<u>2.162</u>
Fineness Ratio	<u>-</u>	<u>-</u>
Area		
Max. Cross-Sectional	<u>-</u>	<u>-</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>-</u>	<u>-</u>

⊙ of OMS POD

Z₀ = 463.9 INFS: WP400 + 63.9 = 463.9 INFS

Y₀ = 30.0 INFS

Length: X₀ 1214.0 to X₀ 1560.0 = 346.0 INFS

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NR - OMS NozzleGENERAL DESCRIPTION: Basic OMS Nozzle of the 2A Configuration per RockwellLines VL70-008306 and VL70-000089 "B"Scale Model = 0.019DRAWING NO. VL70-008306, VL70-000089 "B", SS-A00092

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO. <u>---</u>		
DIAMETER DEX ~ IN	<u>50.00</u>	<u>0.950</u>
DIAMETER DT ~ IN	<u>N/A</u>	<u>N/A</u>
DIAMETER DIN ~ IN	<u>28.00</u>	<u>0.532</u>
EN ~ DEGREES	<u>N/A</u>	<u>N/A</u>
AREA ~ Ft ²		
MAX CROSS-SECTIONAL	<u>13.635</u>	<u>0.00493</u>
GIMBAL ORIGIN	<u>X₀</u>	<u>Y₀</u> <u>Z₀</u>
Left NOZZLE ~ IN	<u>1518</u>	<u>-88.0</u> <u>492</u>
Right NOZZLE ~ IN	<u>1518</u>	<u>+88.0</u> <u>492</u>
NULL POSITION	<u>PITCH</u>	<u>YAW</u>
Left NOZZLE ~ Deg.	<u>15°49'</u>	<u>-12°17'</u>
Right NOZZLE ~ Deg.	<u>15°49'</u>	<u>+12°17'</u>
Intersection of Nozzle Exit Plane and Nozzle Centerline: ~ IN	<u>X₀ = 1570.7</u>	<u>± 99.25</u> <u>± 1.886</u>
	<u>Y₀ = ± 99.25</u>	<u>Z₀ = 507.25</u> <u>9.638</u>

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: N9 Orbiter Nozzles

GENERAL DESCRIPTION: Orbiter Nozzles used for Cold Jet Plume Simulation at
M = .9, 1.25, 1.55, 2.0, 3.0 and 3.5. All Three Model Nozzles are Mounted to
Ball Sockets which allow Gimbal Angles of $\pm 11^\circ$ Pitch and $\pm 9^\circ$ Yaw
from NULL. Model Scale = 0.019

DRAWING NO. SS-A-00092; SS-A-00095

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO. <u>.9 thru 3.5</u>		
DIAMETER DEX ~ IN	<u>90.73</u>	<u>1.7238</u>
DIAMETER DT ~ IN	<u>28.126</u>	<u>0.5344</u>
DIAMETER DIN ~ IN	<u>37.336</u>	<u>0.7094</u>
ON ~ DEGREES	<u>-</u>	<u>-</u>
AREA ~ Ft ²		
MAX CROSS-SECTIONAL (Exit)	<u>44.896</u>	<u>0.0162</u>
GIMBAL ORIGIN	<u>X₀</u>	<u>Y₀</u> <u>Z₀</u>
UPPER NOZZLE ~ IN (F.S., M.S.)	<u>1445.0, 27.455</u>	<u>0.0, 0.0</u> <u>443.0, 8.417</u>
BOTTOM NOZZLE ~ IN (F.S., M.S.)	<u>1467.9, 28.890</u>	<u>53.0, 1.007</u> <u>342.6, 6.510</u>
NULL POSITION	<u>PITCH</u>	<u>YAW</u>
UPPER NOZZLE	<u>16°</u>	<u>0°</u>
BOTTOM NOZZLE	<u>10°</u>	<u>3.5° (Out BD)</u>

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: N11 BSRM NozzlesGENERAL DESCRIPTION: BSRM Nozzles used for Cold Jet Plume Simulation at M_{∞} 1.55 and 2.0. $A/A^* = 11.0$ Used with Sg (Baseline)Model Scale = 0.019DRAWING NO. SS-A-00095; SS-A-00094

DIMENSIONS

FULL-SCALE... MODEL SCALE

MACH NO. 1.55, 2.0DIAMETER DEX ~ IN ($X_t = 47.196''$ M.S.)176.003.344DIAMETER DT ~ IN ($X_t = 43.80''$ M.S.)53.101.0009

DIAMETER DIN ~ IN

69.321.317 Θ_N ~ DEGREES20.020.0AREA ~ ft^2

MAX CROSS-SECTIONAL (Exit per Nozzle)

168.940.0610

GIMBAL ORIGIN

 X_t Y_t Z_t

Left NOZZLE ~ IN (F.S., M.S.)

2281, 43.339-243, -4.617400, 7.600

Right NOZZLE ~ IN (F.S., M.S.)

2281, 43.339+243, +4.617400, 7.600

NULL POSITION

PITCHYAW

Left NOZZLE

 0° 0°

Right NOZZLE

 0° 0°

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V5 (Light Wt. Orbiter Configuration)GENERAL DESCRIPTION: Centerline Vertical Tail, Double Wedge Airfoil with
Rounded Leading EdgeModel Scale = 0.019DRAWING NUMBER:VL-70-000095; SS-A-00092DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft^2	413.25	0.119
Planform	-	-
Span (Theo) In	315.72	5.999
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep Back Angles, degrees		
Leading Edge	15.000	45.000
Trailing Edge	26.249	26.249
0.25-Element Line	41.130	41.130
Chords: Inches		
Root (Theo) WP	268.50	5.107
Tip (Theo) WP	108.47	2.061
MAC	199.81	3.796
Fus. Sta. of .25 MAC	1463.50	27.807
W. P. of .25 MAC	635.52	12.075
B. L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle ~ Deg	10.00	10.00
Trailing Wedge Angle ~ Deg	14.92	14.92
Leading Edge Radius, IN	2.00	0.038
Void Area ~ ft^2	13.17	0.00475
Blanketed Area ~ ft^2	12.67	0.00457

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: R5 - Rudder

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL 70-000095.

Scale Model = 0.019

DRAWING NUMBER: VL70-000095 SS-A00091, 92

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area ~ Ft ²	<u>106.38</u>	<u>0.0394</u>
Span (equivalent) ~ IN	<u>201.0</u>	<u>3.819</u>
Inb'd equivalent chord, IN	<u>91.585</u>	<u>1.710</u>
Outb'd equivalent chord, IN	<u>50.833</u>	<u>0.966</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line) ~ Ft ³	<u>526.13</u>	<u>0.00361</u>
Product of Area and Mean Chord		

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: WING-W 87 Lightweight Orbiter

GENERAL DESCRIPTION: Orbiter Configuration per Rockwell Lines VL70-000093

NOTE: (Dihedral angle is defined at the lower
surface of the wing at the 75.33%
element line
projected into a plane perpendicular to the FRL.)

Scale Model = 0.019

TEST NO.

DWG. NO. VL70-000093

SSA-A00091, 92

DIMENSIONS:

FULL-SCALE

MODEL

TOTAL DATA

Area (Theo.) Ft^2

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords: ~ IN

Root (Theo) B.P.0.0.

Tip, (Theo) B.P.

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

EXPOSED DATA

Area (Theo) Ft^2

Span, (Theo) In. BP108

Aspect Ratio

Taper Ratio

Chord

Root BP108

Tip 1.00 $\frac{b}{2}$

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)
XXXX-64

$t/c @ \text{Root } \frac{b}{2} = 0.425$

$t/c @ \text{Tip } \frac{b}{2} = 1.00$

Data for (1) of (2) Sides

Leading Edge Cuff Ft^2

Planform Area Ft^2

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing @ Sta

2690.6

936.682

2.265

1.177

0.200

3.500

3.000

+3.000

45.000

-10.24

35.209

689.24

137.85

474.81

1136.89

299.20

182.13

1752.29

720.68

2.058

0.2451

562.40

137.85

393.03

1185.31

300.20

251.76

0.10

0.12

120.33

560.0

1035.0

6.47

17.777

2.265

1.177

0.200

3.500

3.000

+3.000

45.000

-10.24

35.209

11.11

2.6

9.021

21.601

5.685

3.450

0.611

13.693

2.253

0.2451

10.586

2.619

7.435

22.512

5.702

4.783

0.0731

10.640

19.665

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: E18 - ElevonGENERAL-DESCRIPTION: 2A Configuration Per W-87 Rockwell Lines VL70-000093Data for (1) of (2) SidesScale Model = 0.019DRAWING NUMBER: VL70-000093; SS-A-00092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area ~ Ft ²	<u>205.52</u>	<u>0.0742</u>
Span (equivalent) ~ in.	<u>353.34</u>	<u>6.713</u>
Inb'd equivalent chord (B.P.115.0in), in	<u>114.78</u>	<u>2.181</u>
Outb'd equivalent chord (B.P.468.3in), in	<u>55.00</u>	<u>1.045</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.208</u>	<u>0.208</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.24</u>	<u>-10.24</u>
Hingeline (X ₀ = 1387" F. S.)	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line) Ft ³	<u>1,548.07</u>	<u>0.01062</u>
Product of Area Moment		

NOTE: The elevon panel consists of an InBD and OutBD segment. The split line dividing the segments is at B.P. 281 inches full scale (B.P. 5.339 inches Model Scale)

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

COMPONENT: X_2 Transition Strips

DESCRIPTION: Transition grit strips used in AMES 9x7 wind tunnel. Microbeads were used to make grit strip. Microbead diameter equals 0.0091 inches.

Model Scale = 0.019

LOCATIONS: (Dimensions Model Scale)

SRM: 1.0 inches aft of nose (0.125" wide strip)

EOHT: 1.5 inches aft of nose (0.125" wide strip)

WING: 0.5 inches perpendicular to wing leading edge
(0.125" wide strip)

VERTICAL TAIL: 0.25 inches perpendicular to tail leading
edge (0.125" wide strip)

ORBITER BODY: 0.75 inches aft. of nose (0.125" wide strip)

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SR - Booster Solid Rocket MotorGENERAL DESCRIPTION: Booster Solid Rocket MotorBody of revolutionData for 1 of 2 sidesModel Scale = 0.019DRAWING NUMBER: VL-72-000088 VL-77-000036DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle), IN	<u>1741.0</u>	<u>33.080</u>
Max. Width (Tank Dia.), IN	<u>142.0</u>	<u>2.698</u>
Max. Depth (Aft Shroud), IN	<u>205.0</u>	<u>3.895</u>
Fineness Ratio	<u>8.49268</u>	<u>8.49268</u>
Area , Ft ²		
Max. Cross-Sectional	<u>229.21</u>	<u>0.08274</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>-</u>	<u>-</u>
W.P. of BSRM Centerline, (X _t), IN	<u>400.0</u>	<u>7.600</u>
r.s. of BSRM Nose (X _t), IN	<u>743.0</u>	<u>14.117</u>

TABLE 4. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: S9 Booster Solid Rocket Motor

GENERAL DESCRIPTION: Same as S8 BSRM except the aft shrouds have been removed. Body of revolution; data for 1 of 2 sides.

Model Scale = 0.019

DRAWING NUMBER: VL72-000088 ; VL77-000036

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (includes nozzle), in.	<u>1741.0</u>	<u>33.080</u>
Max. Width (diameter), in.	<u>342.0</u>	<u>2.698</u>
Max. Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>12.261</u>	<u>12.261</u>
Area, Ft. ²		
Max. Cross-Sectional	<u>109.978</u>	<u>0.397</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
W.P. of SRM centerline, X_T , in.	<u>400.0</u>	<u>7.600</u>
F.S. of SRM nose, X_T , in.	<u>743.0</u>	<u>14.117</u>

TABLE 4. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: T10 External TankGENERAL DESCRIPTION: External Oxygen Hydrogen TankConfiguration to which the Orbiter and the Two Solid Rocket Motors attachBody of revolutionModel Scale = 0.019DRAWING NUMBER: VL-70-000088 VL-78-000041DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, IN (Nose @ $X_t = 309.0$)	<u>1865.0</u>	<u>35.435</u>
Max. Width (Dia.), IN	<u>324.0</u>	<u>6.156</u>
Max. Depth	<u>-</u>	<u>-</u>
Fineness Ratio	<u>5.75617</u>	<u>5.75617</u>
Area, Ft ²		
Max. Cross-Sectional	<u>572.56</u>	<u>0.2067</u>
Planform	<u>-</u>	<u>-</u>
Wetted	<u>-</u>	<u>-</u>
Base	<u>-</u>	<u>-</u>
W.P. of Tank Centerline, (X_t) IN	<u>400.0</u>	<u>7.600</u>

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrow
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

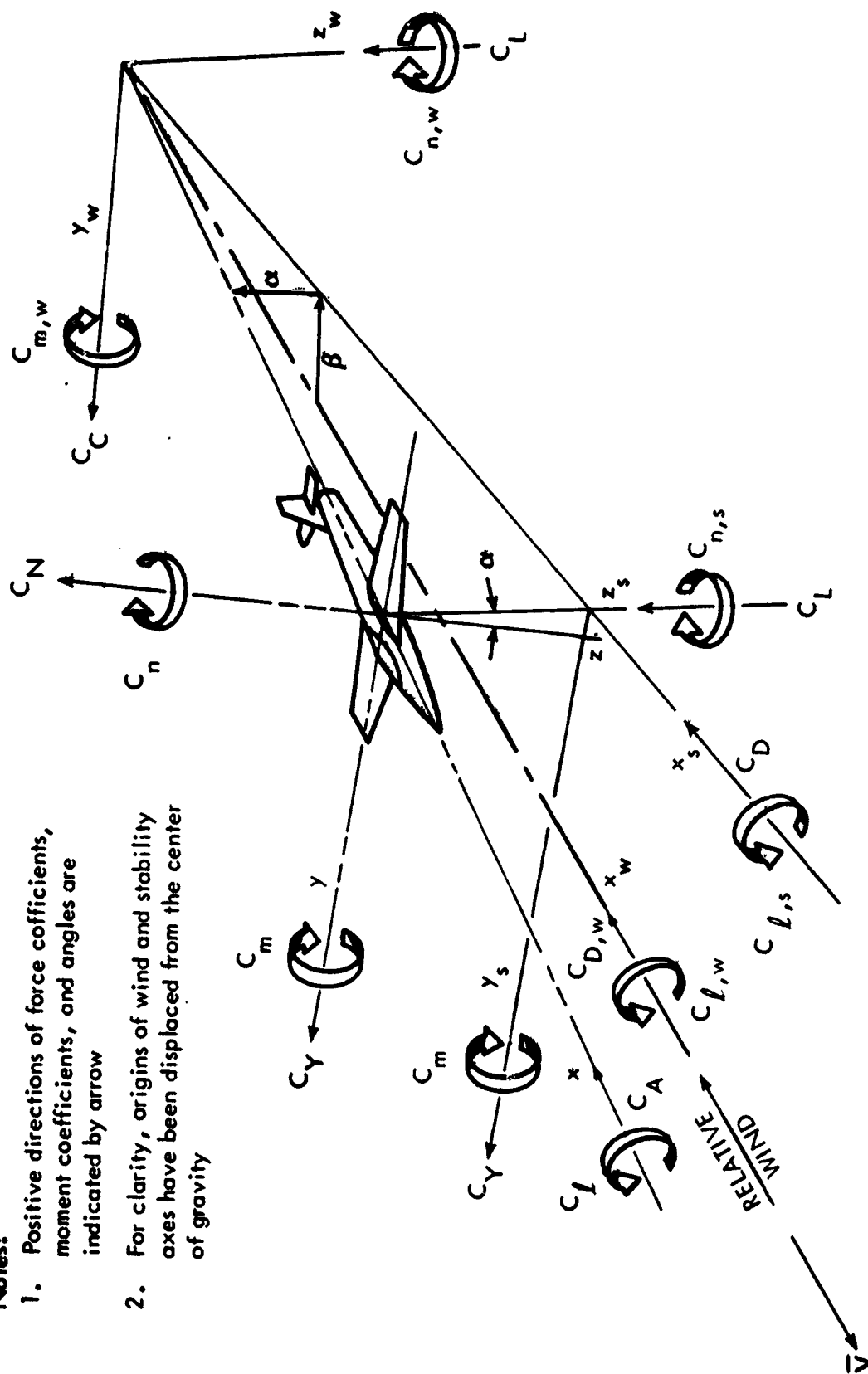


Figure 1a. Axis systems.

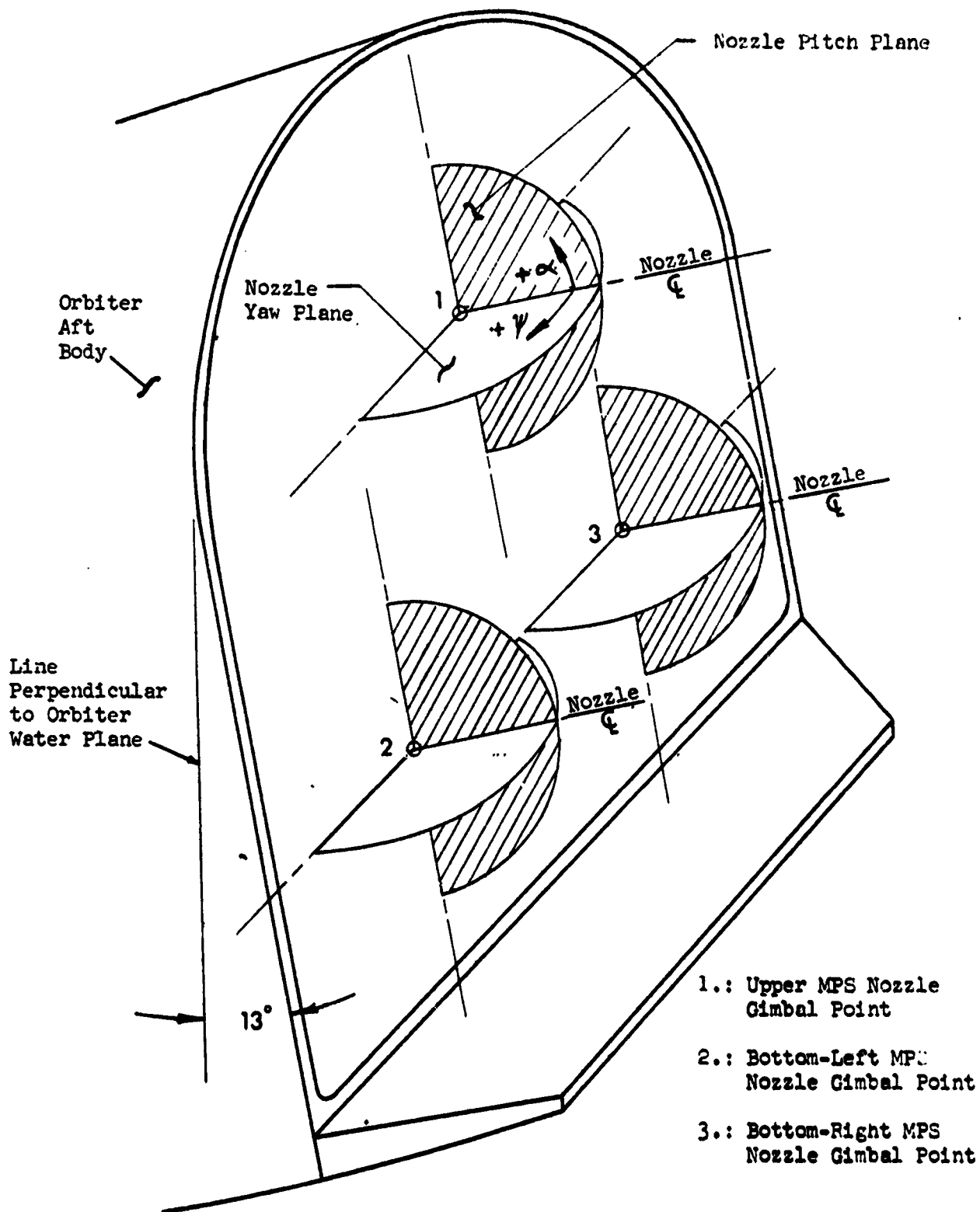


Figure 1b. Gimbal Planes and Sign Conventions

This plane is parallel to the nozzle base plate. All gimbal angles are set and measured with reference to this plane.

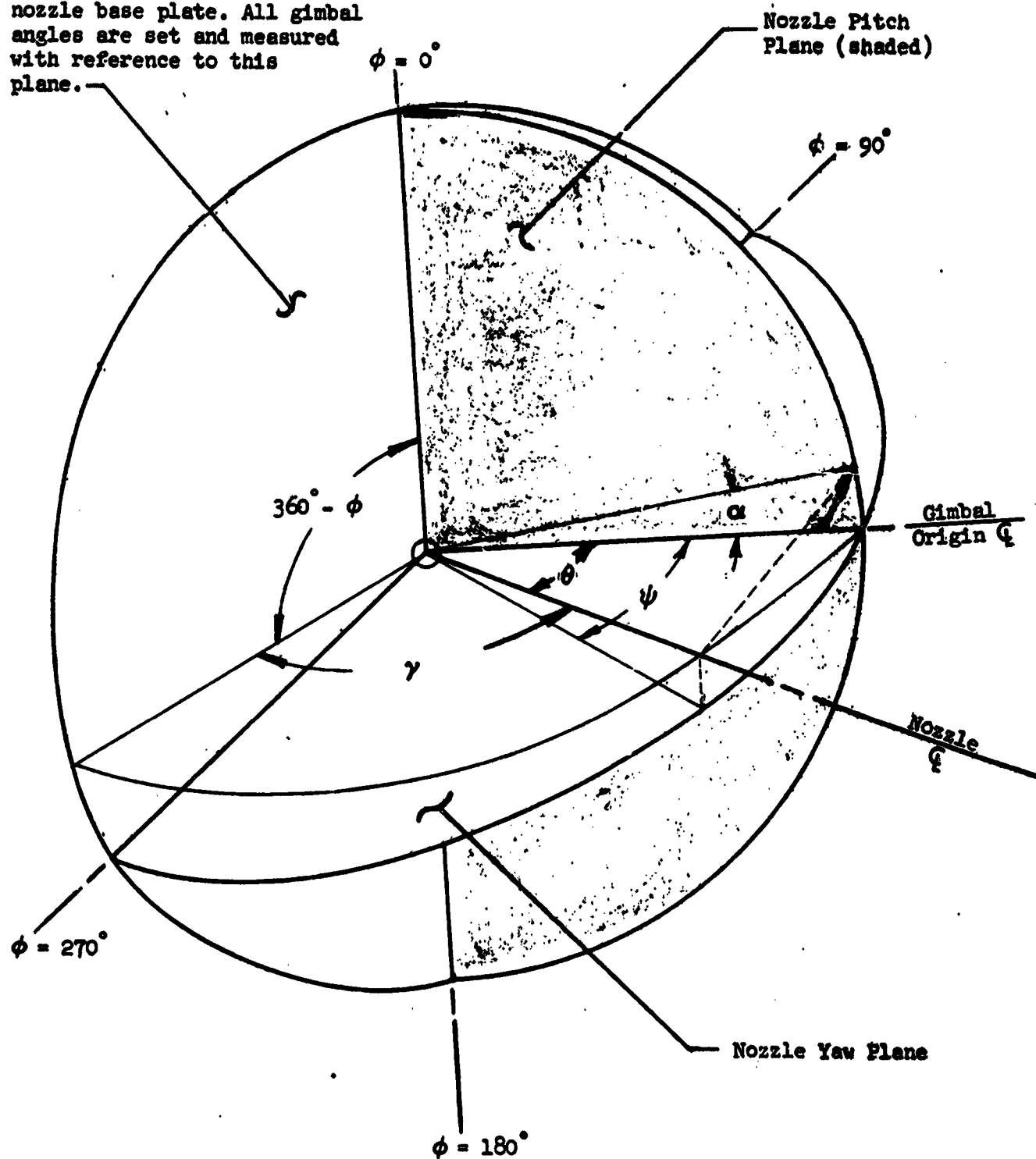


Figure 1c. Nozzle Gimbal Angle Defined

(a) "SHROUDS ON"
ASCENT VEHICLE CONFIGURATION

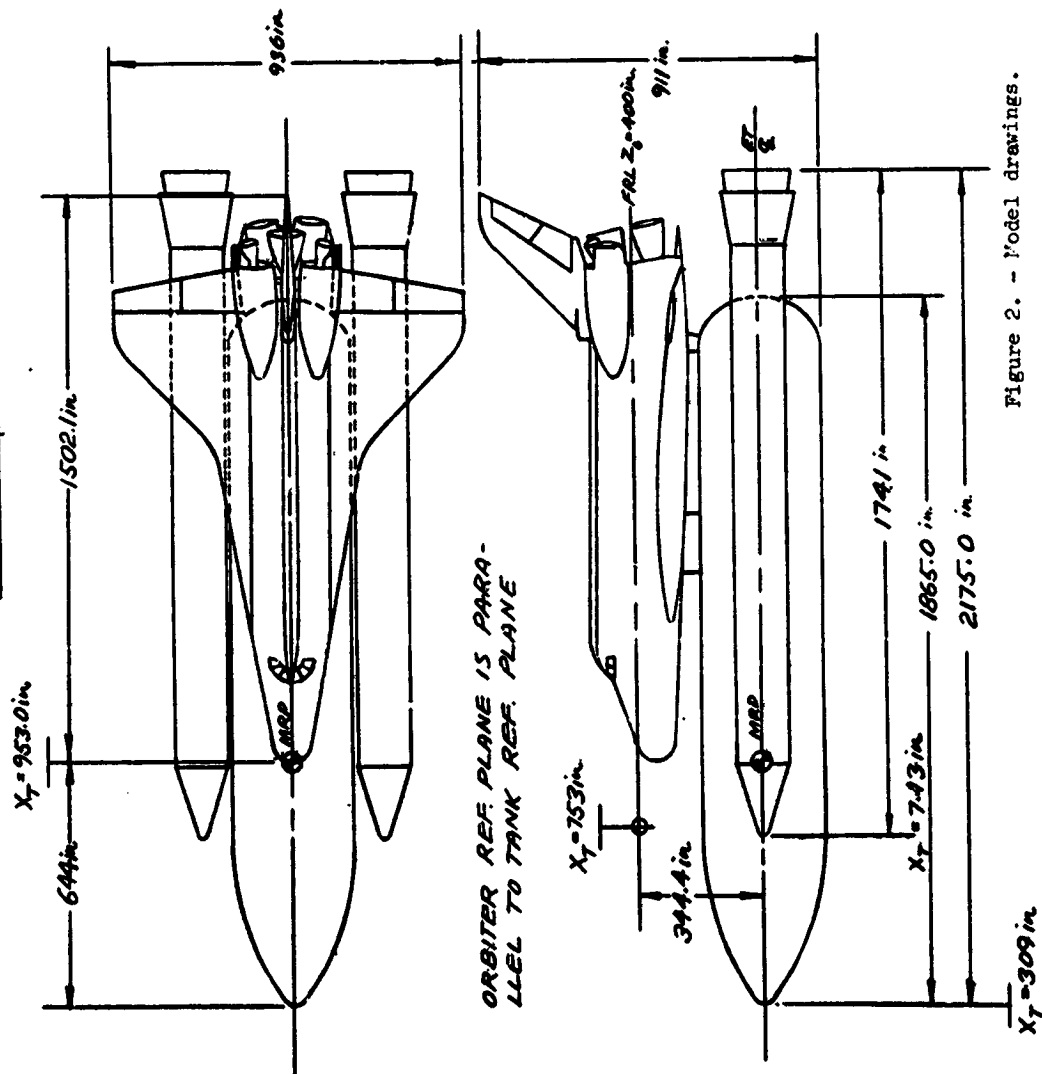


Figure 2. - Model drawings.

(b) "SHROUDS OFF"
ASCENT VEHICLE CONFIGURATION

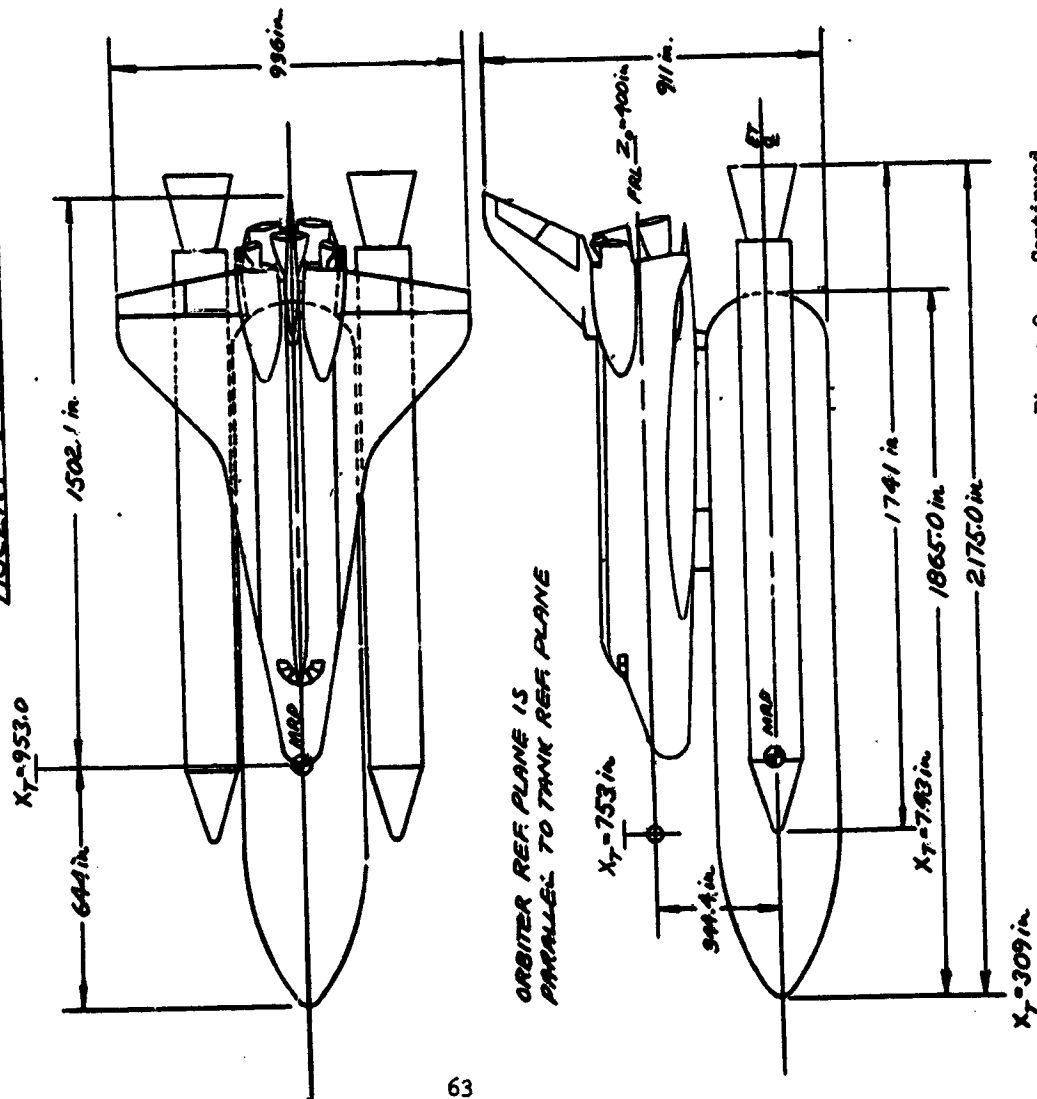
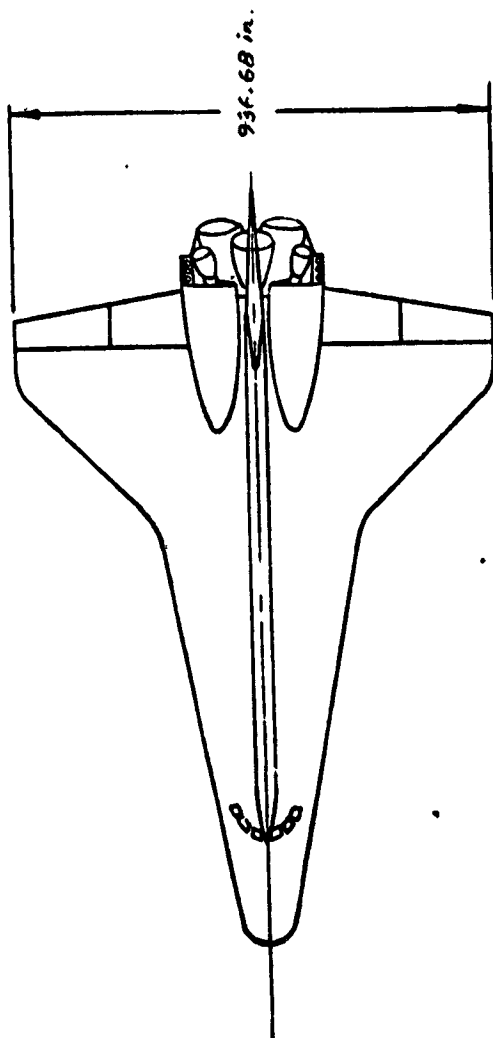
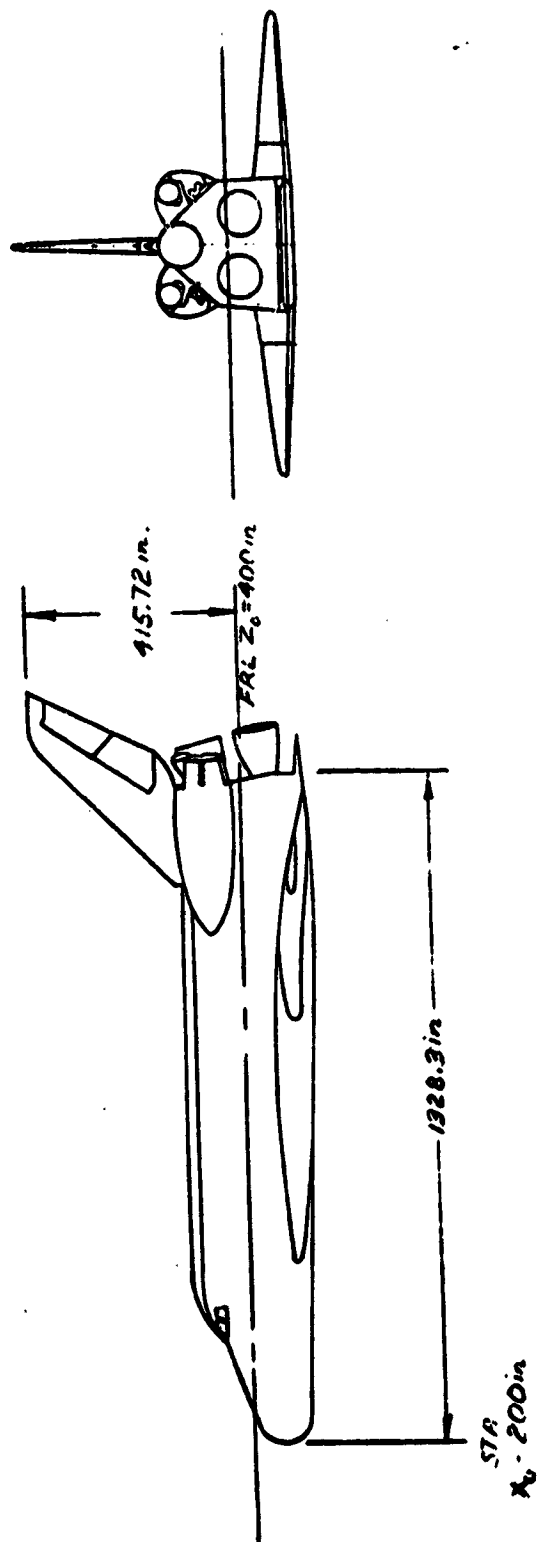


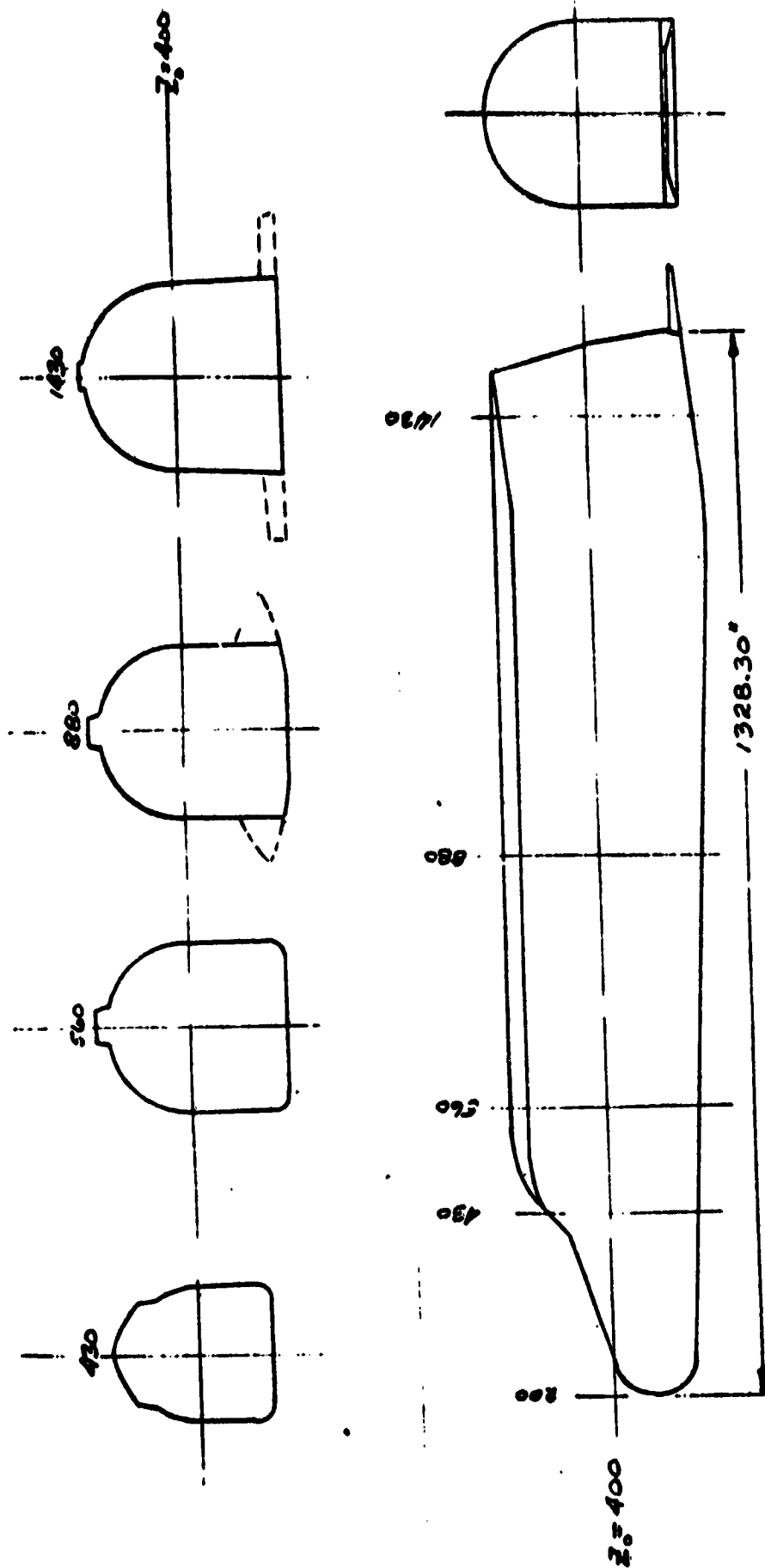
Figure 2. - Continued.



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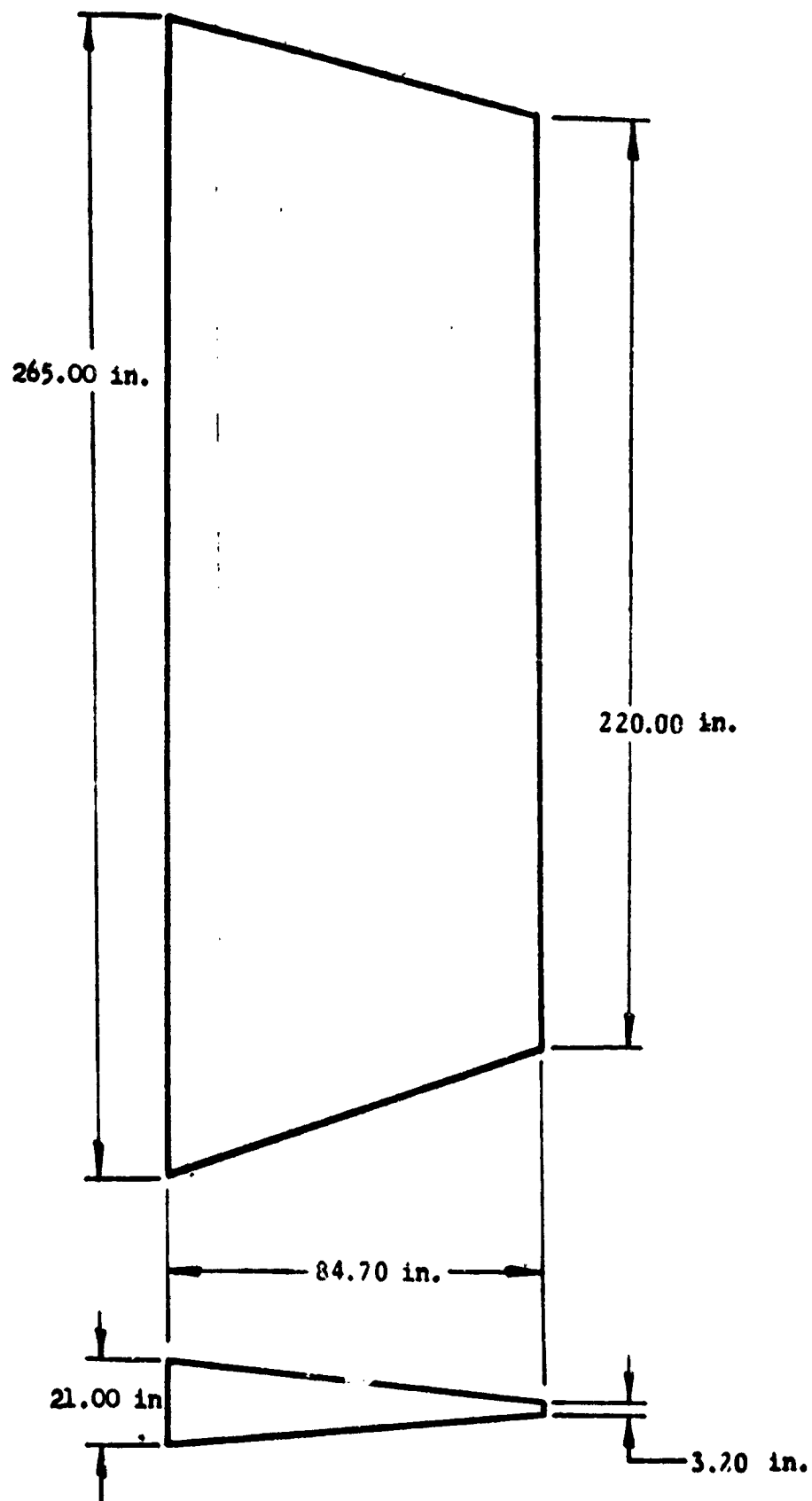


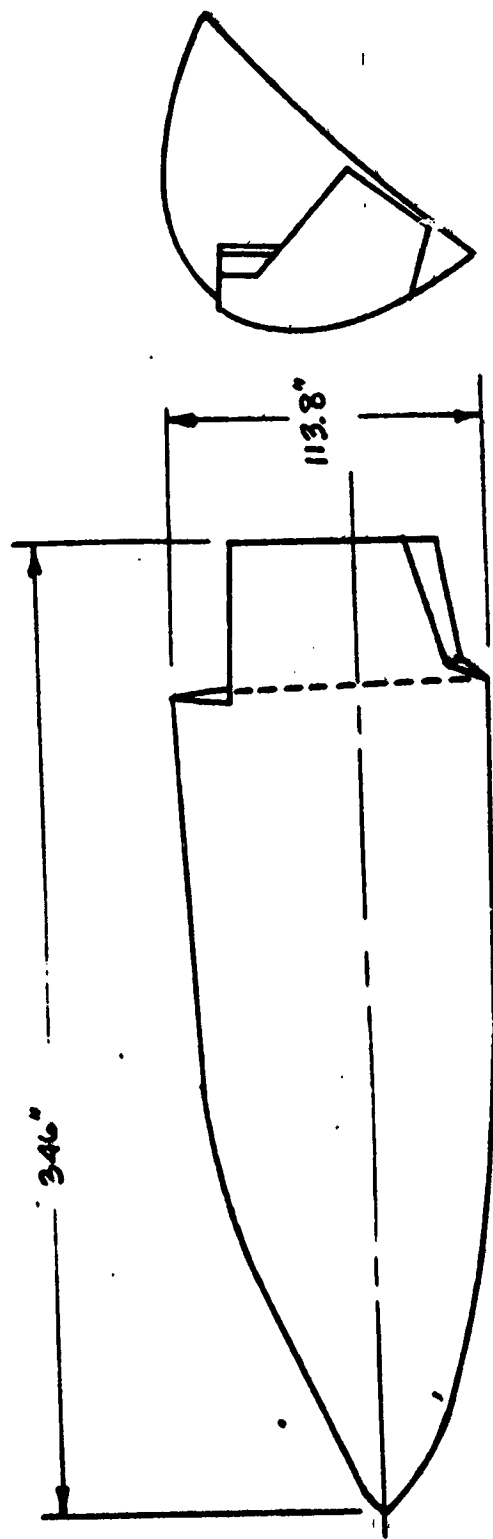
(c) 2A Orbiter Configuration
Figure 2.- Continued



(a) BASIC 2A FUSELAGE WITH BODY FLAP

Figure 2. - Continued





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(F) OMS ROD CONFIGURATION

Figure 2. - Continued.

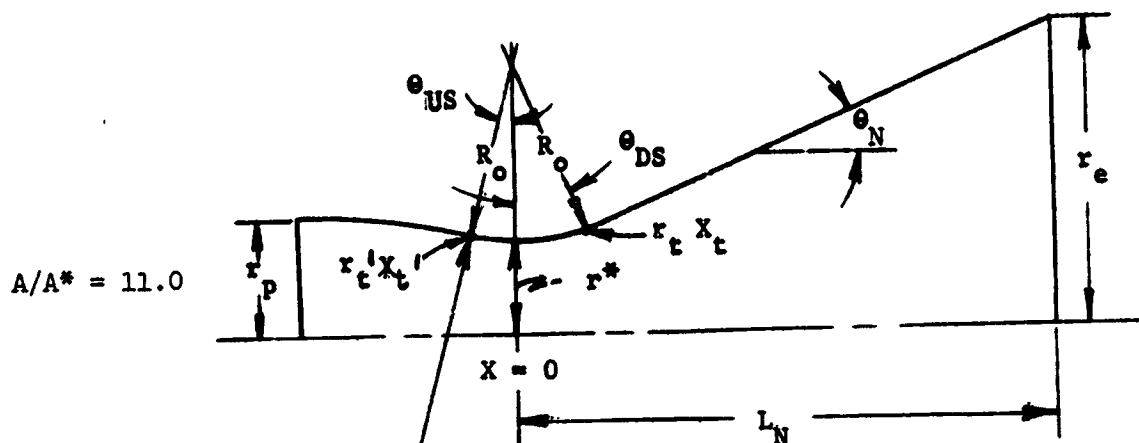
Nozzle (N₁, CONTINUED)

<u>X</u>	<u>r</u>	
0	0.8619	EXIT PLANE
0.0293	0.8579	
0.0899	0.8495	
0.1571	0.8398	
0.2314	0.8286	
0.2699	0.8226	
0.3565	0.8085	
0.4392	0.7943	
0.4924	0.7847	
0.5609	0.7720	NOTE: DIMENSIONS MODEL SCALE INCHES
0.5991	0.7646	
0.6416	0.7562	
0.6889	0.7466	
0.7413	0.7356	
0.7994	0.7230	
0.8549	0.7105	
0.9087	0.6980	
0.9434	0.6896	
0.9886	0.6785	
1.0466	0.6634	
1.0789	0.6553	
1.1147	0.6457	
1.1547	0.6347	
1.1987	0.6222	
1.2553	0.6056	
1.3090	0.5893	
1.3441	0.5782	
1.3886	0.5639	
1.4414	0.5462	
1.5069	0.5233	
1.5457	0.5091	
1.5815	0.4957	
1.6365	0.4744	
1.6992	0.4488	
1.7519	0.4263	
1.7906	0.4090	
1.8475	0.3825	
1.9189	0.3472	
1.9360	0.3384	
1.9907	0.3091	
2.0192	0.2931	END OF ORB-1-ABC CONTOUR

(g) Concluded

Figure 2. - Continued.

Nozzle N_{11}

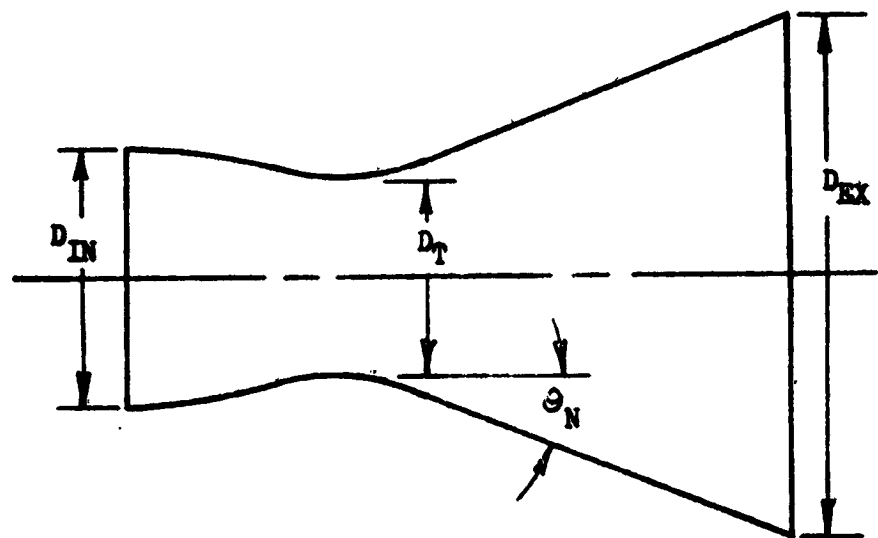


	N_{11}, N_{12} Mach Nos. 1.55 & 2.0 SRM-2-ABCD-LR	Mach Nos. 3.0 & 3.5 SRM-3-ABCD-LR
r^*	0.5 In.	0.5 In.
r_e	1.672 In.	1.672 In.
θ_N	20.0 Deg.	23.0 Deg.
θ_{DS}	20.0 Deg.	23.0 Deg.
R_o	1.0 In.	1.0 In.
r_t	0.5603 In.	0.5795 In.
x_t	0.3420 In.	0.3900 In.
θ_{US}	15.0 Deg.	15.0 Deg.
r_t'	0.5341 In.	0.534 In.
x_t'	-0.2588 In.	-0.2588 In.
x_{o2}	-1.2039 In.	-1.2039 In.
r_{o2}	-2.9931 In.	-2.9931 In.
R_{o2}	3.6516 In.	3.6516 In.
r_p	0.6585 In.	0.6585 In.
L_N	3.3964 In.	2.9645 In.

NOTE: Dimensions
Model Scale

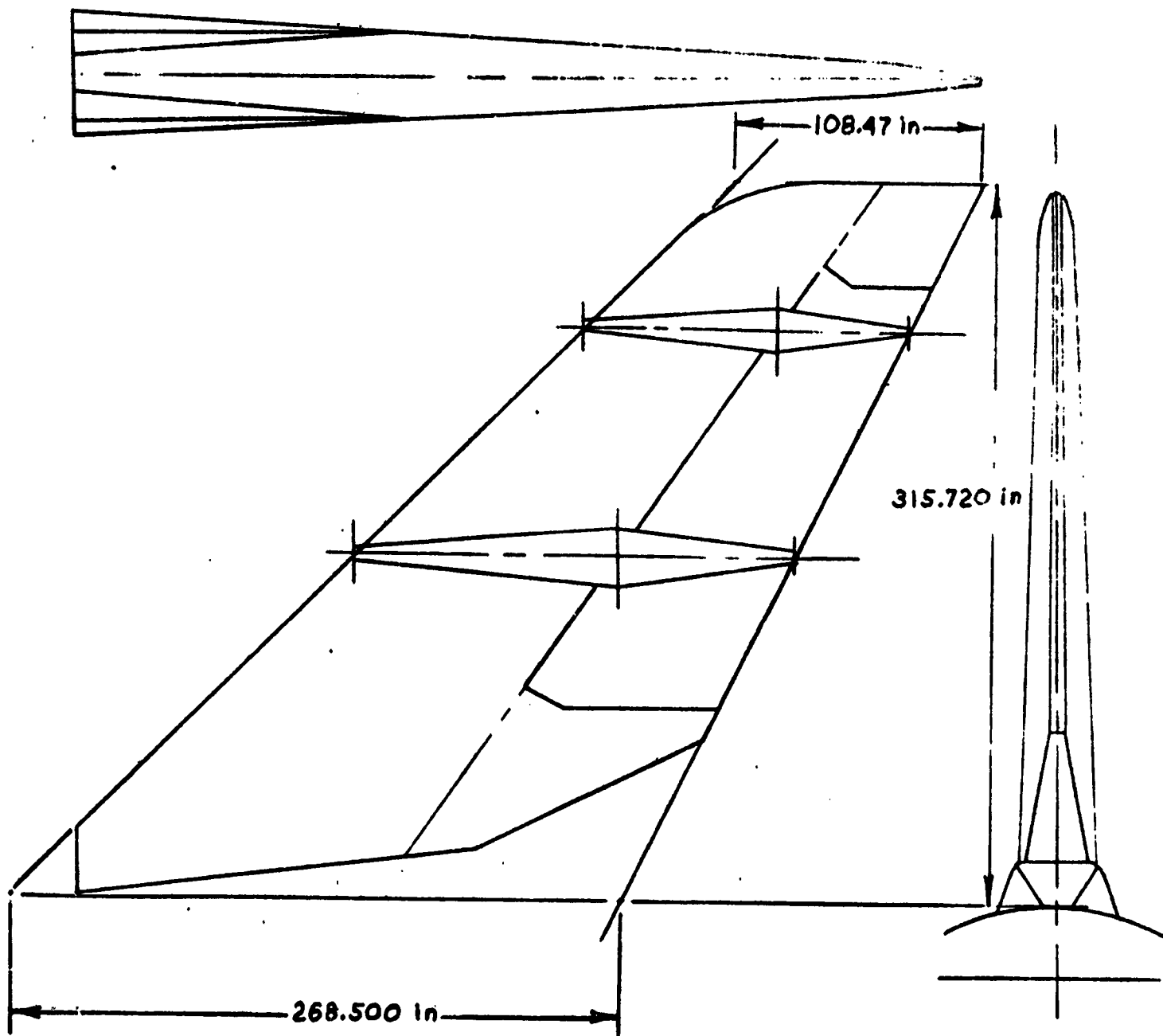
(h) DESIGN INFORMATION FOR SRM-2-ABCD-LR
AND SRM-3-ABCD-LR NOZZLE CONTOURS

Figure 2. - Continued.



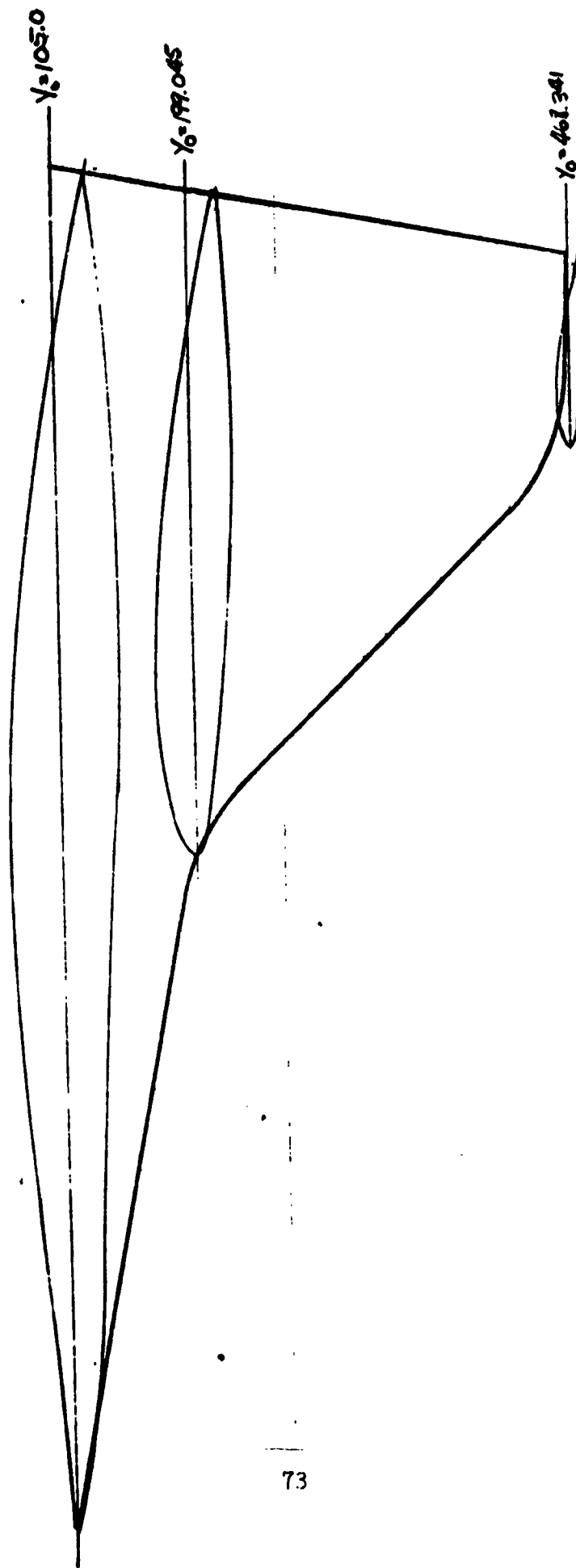
(1) BASIC NOZZLE DIMENSIONS

Figure 2. - Continued.



(J) VERTICAL TAIL

Figure 2. - Continued.



(B) BASIC 2A WING CONFIGURATION

Figure 2. - Continued.

(1) "SHROUD OFF"
SOLID ROCKET MOTOR
CONFIGURATION: S9

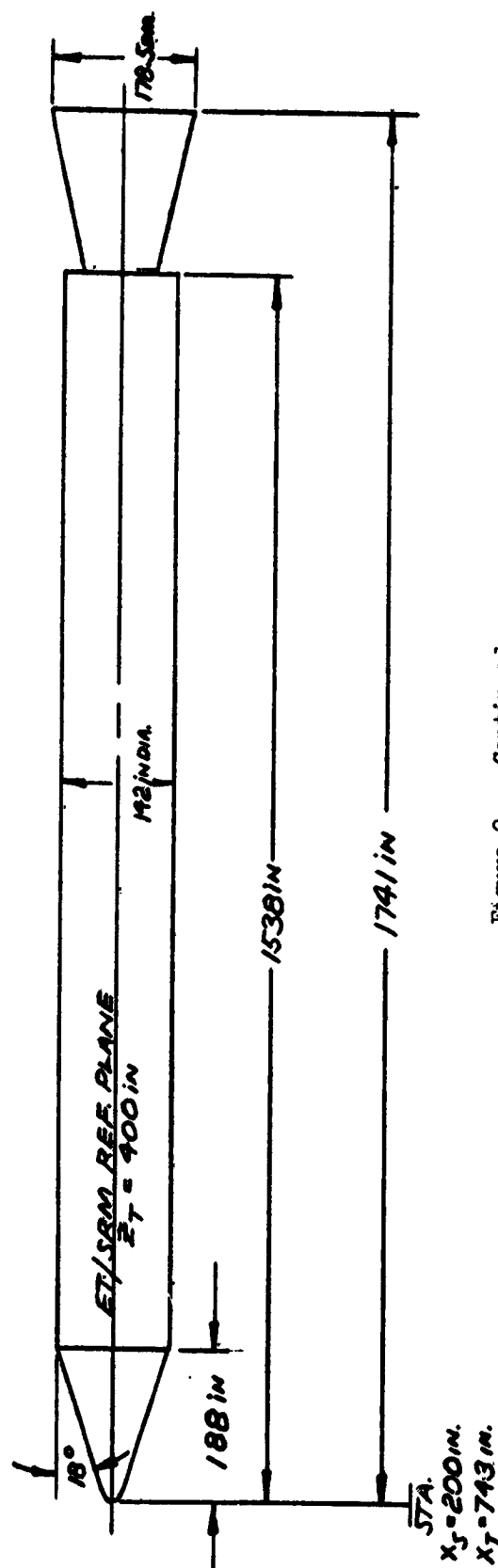


Figure 2. - Continued.

"SHROUD ON"
(m) SOLID ROCKET MOTOR
CONFIGURATION: S8

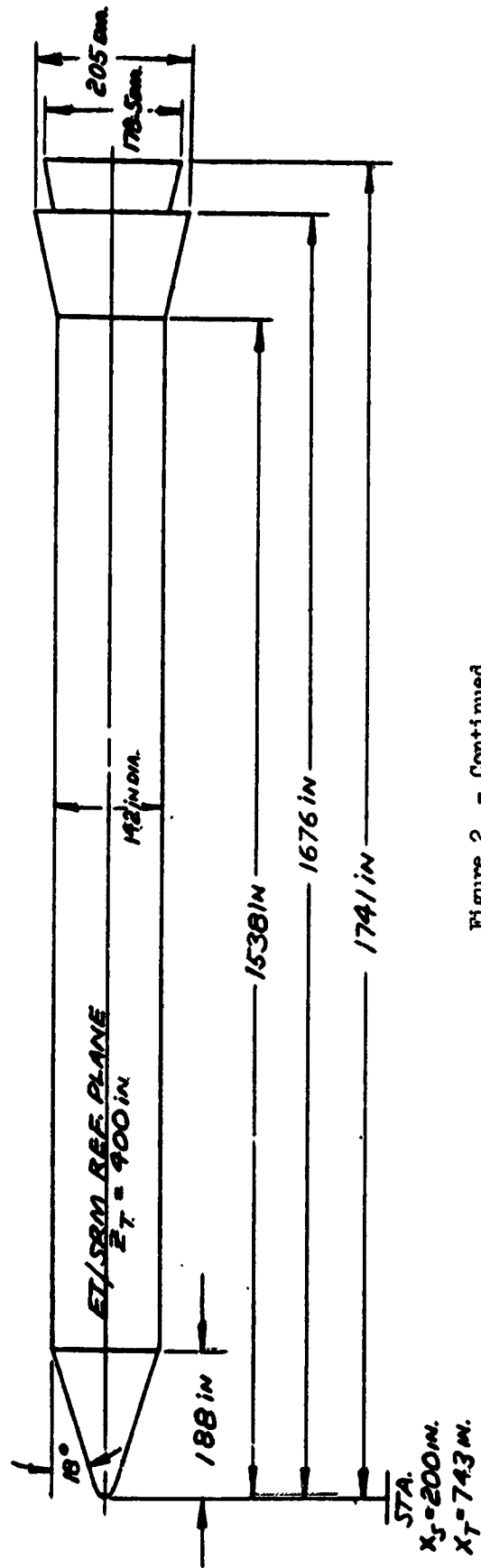


Figure 2. - Continued.

(n) EXTERNAL TANK
T₁₀

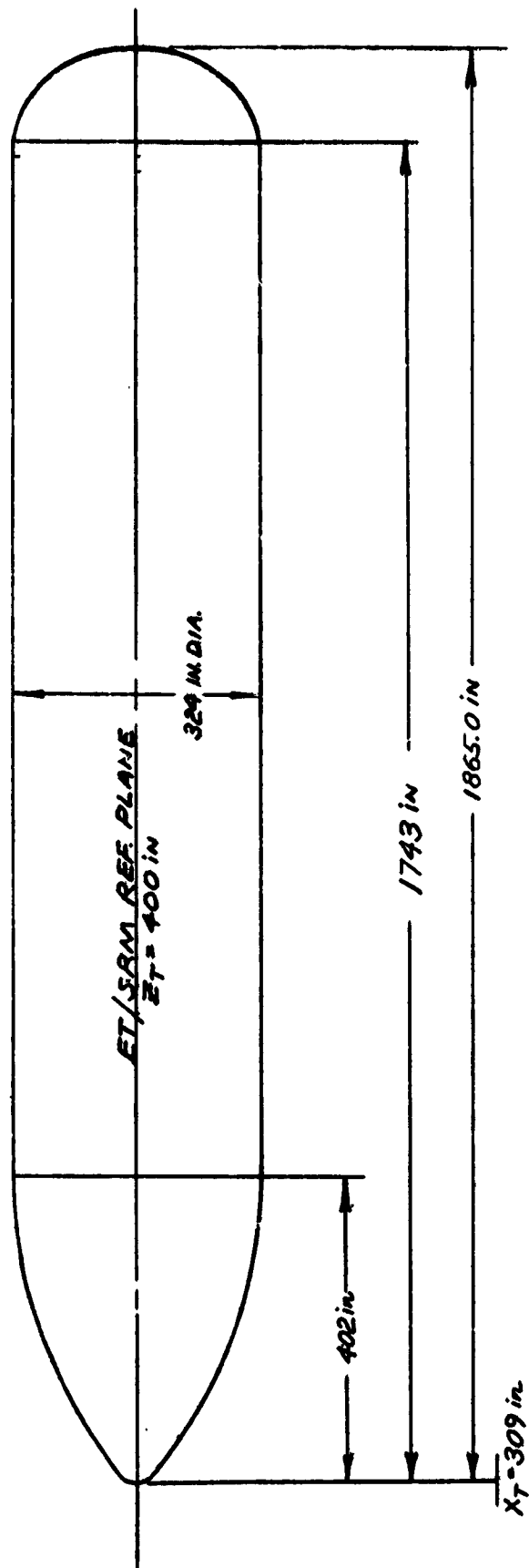
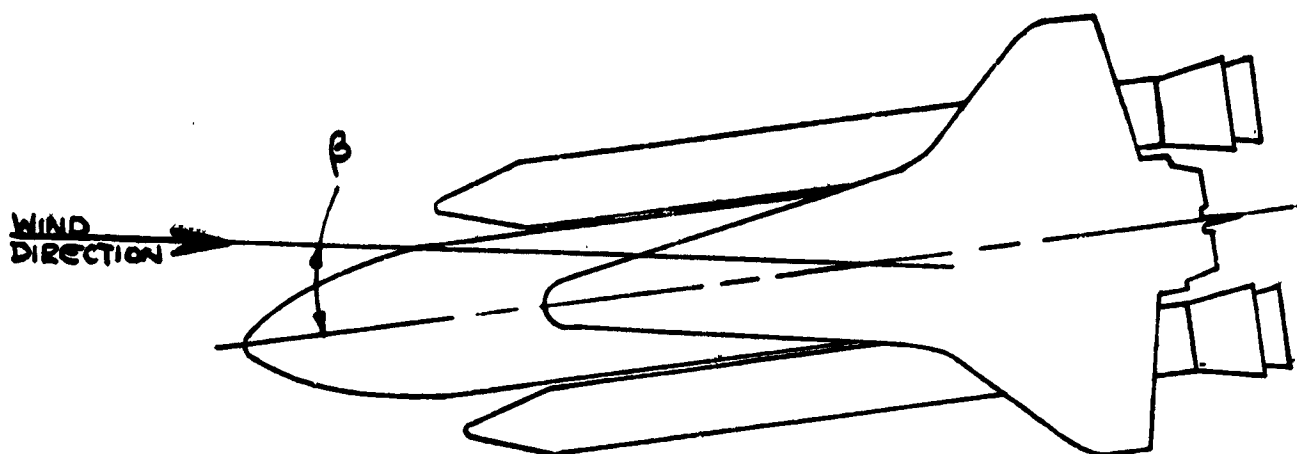
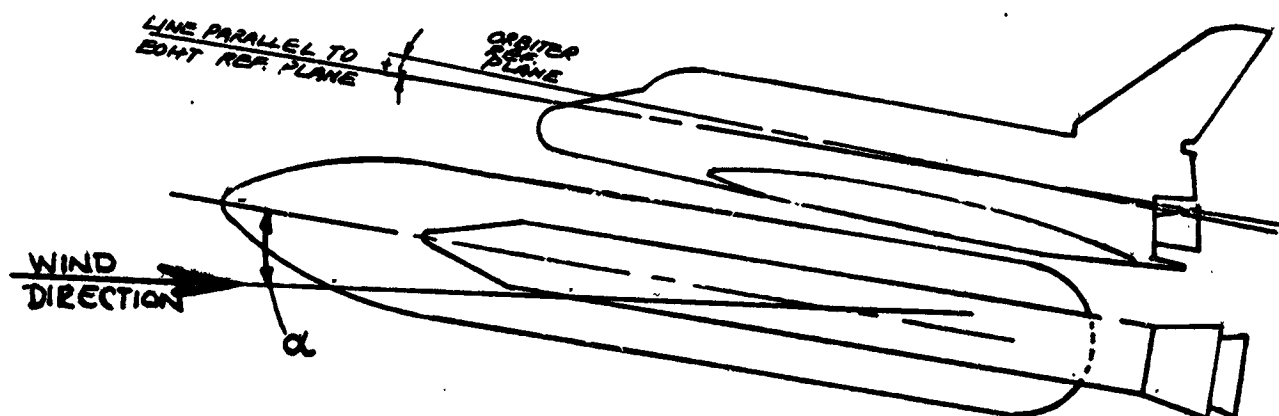


Figure 2. - Concluded.

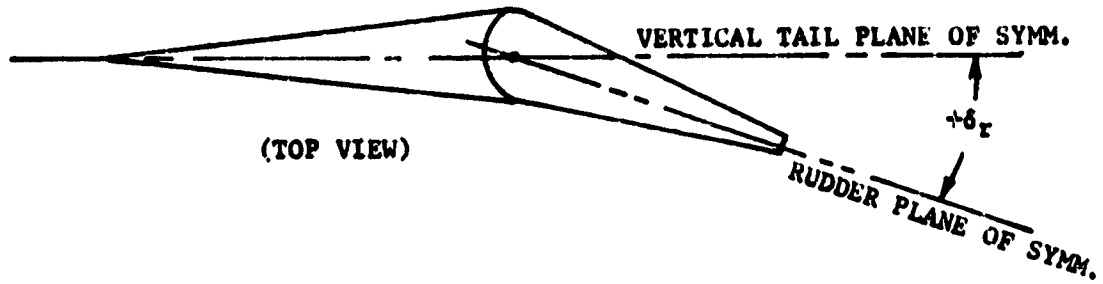


ANGLE OF SIDESLIP DEFINED (β)

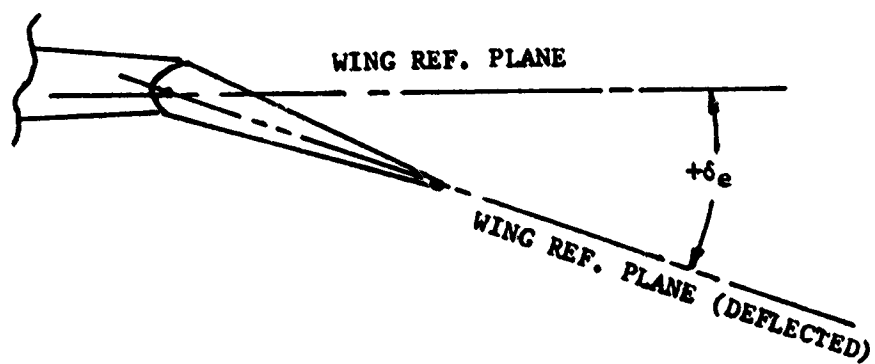


(a) (α) ANGLE OF ATTACK AND ANGLE OF INCIDENCE (i) DEFINED

Figure 3.

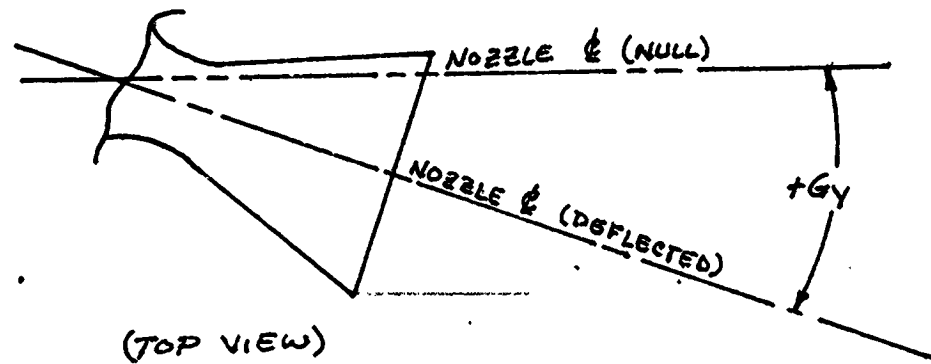
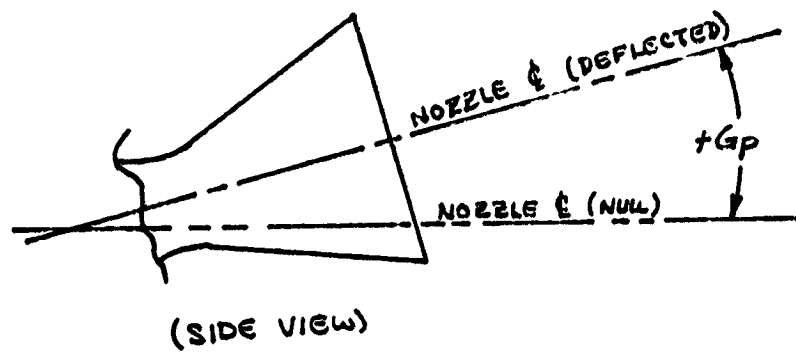


Rudder Deflection Angle (δ_r) Defined



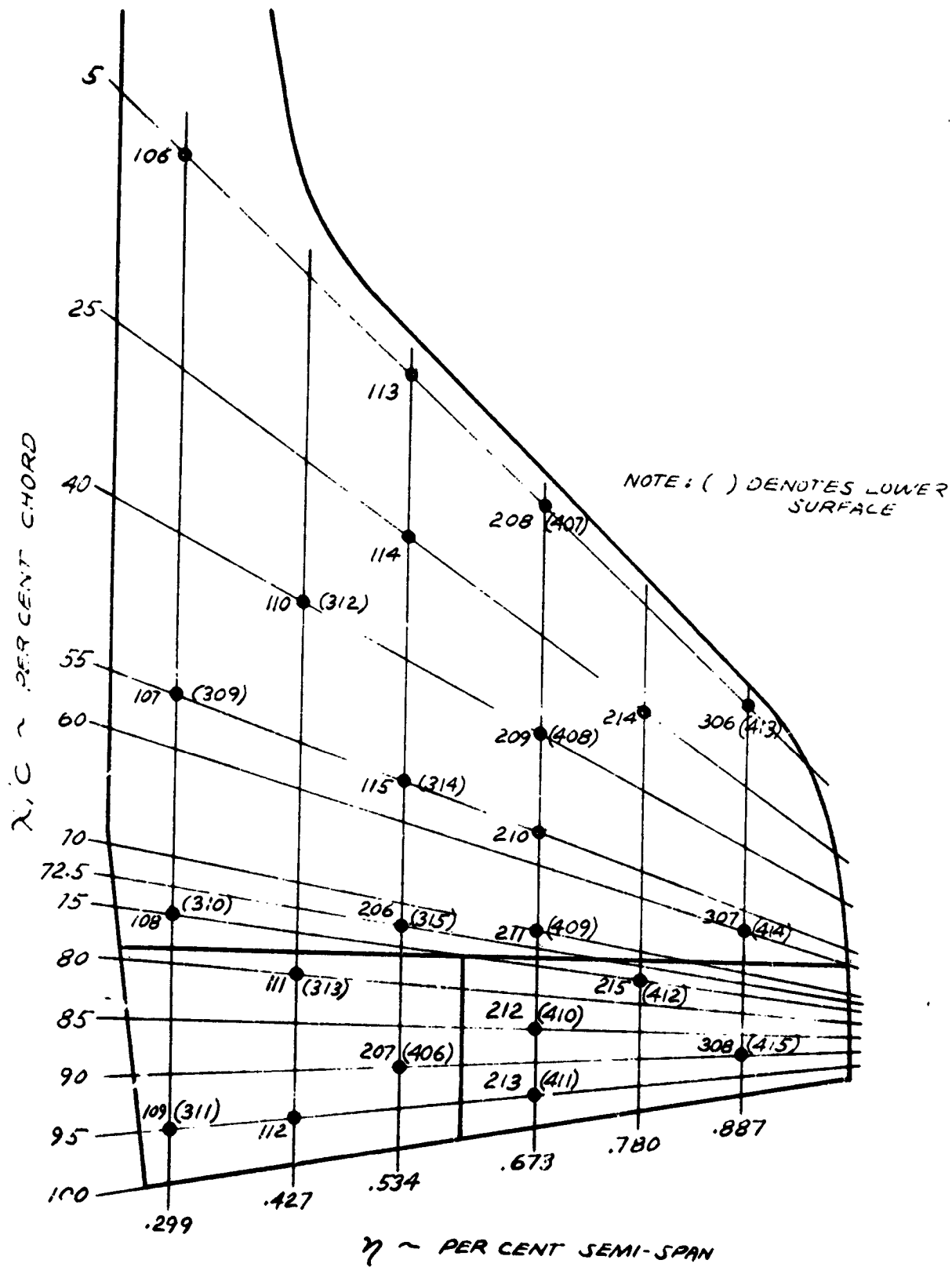
(b) Elevon Deflection Angle (δ_e) Defined

Figure 3. - Continued.



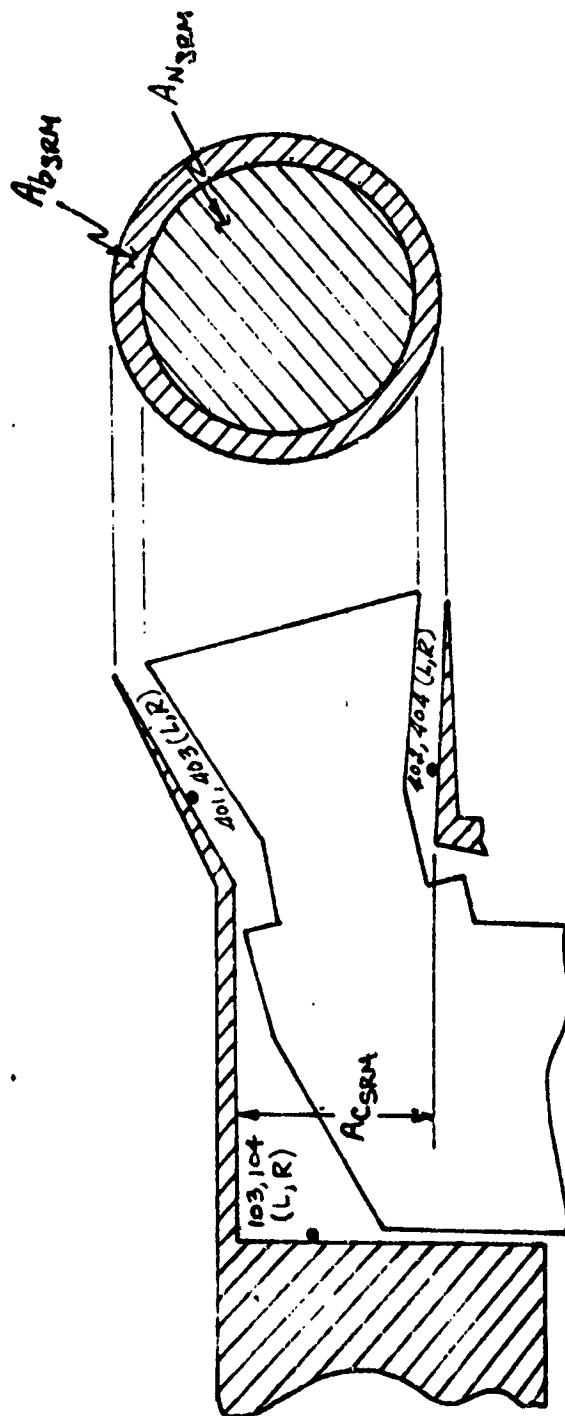
(c) Nozzle Gimbal Pitch Angle (G_p) and Gimbal Yaw (G_y) Angle Defined

Figure 3. - Continued.



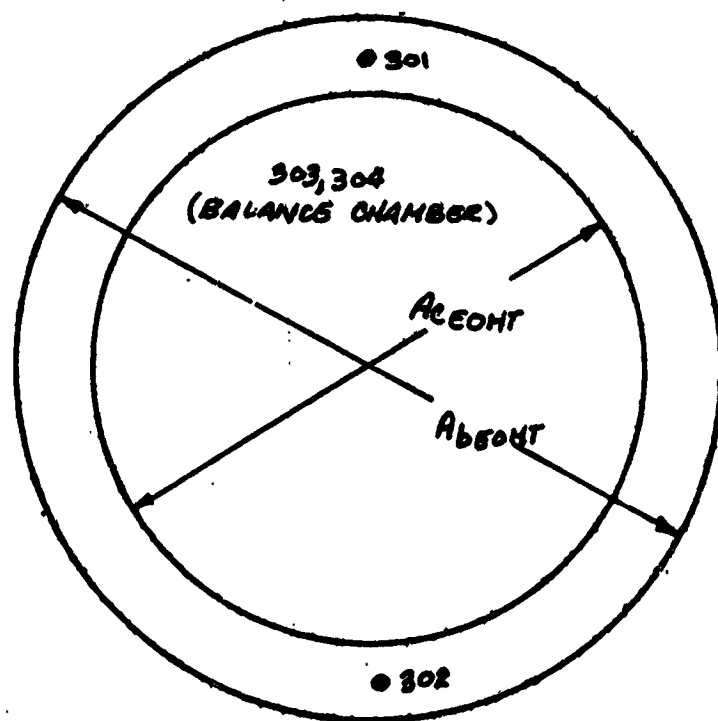
(d) WING PRESSURE TAP LOCATIONS
FOR RIGHTHAND WING PANEL

Figure 3. - Continued.



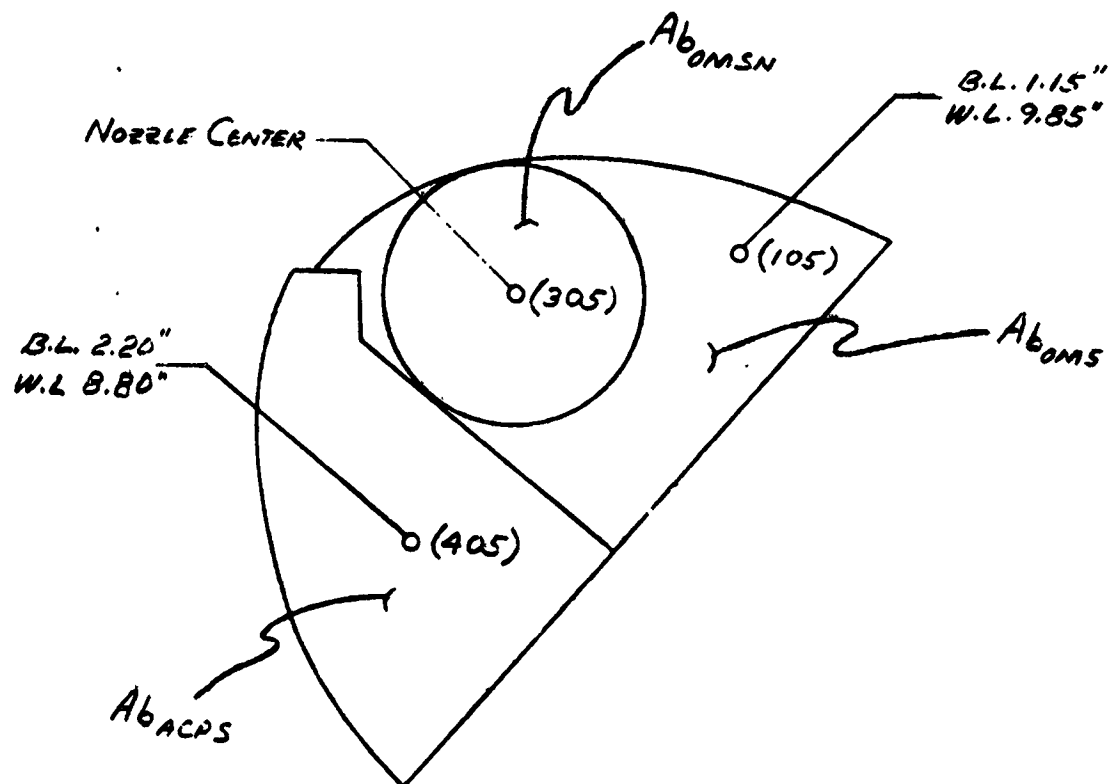
(f) SRM Pressure Tap Locations

Figure 3. - Continued.



(g) EOHT Pressure Tap Locations

Figure 3. - Continued.



(h) OMS POD BASE
STATIC PRESSURE TAP LOCATION

Figure 3. - Concluded.

DATA FIGURES - FORCE

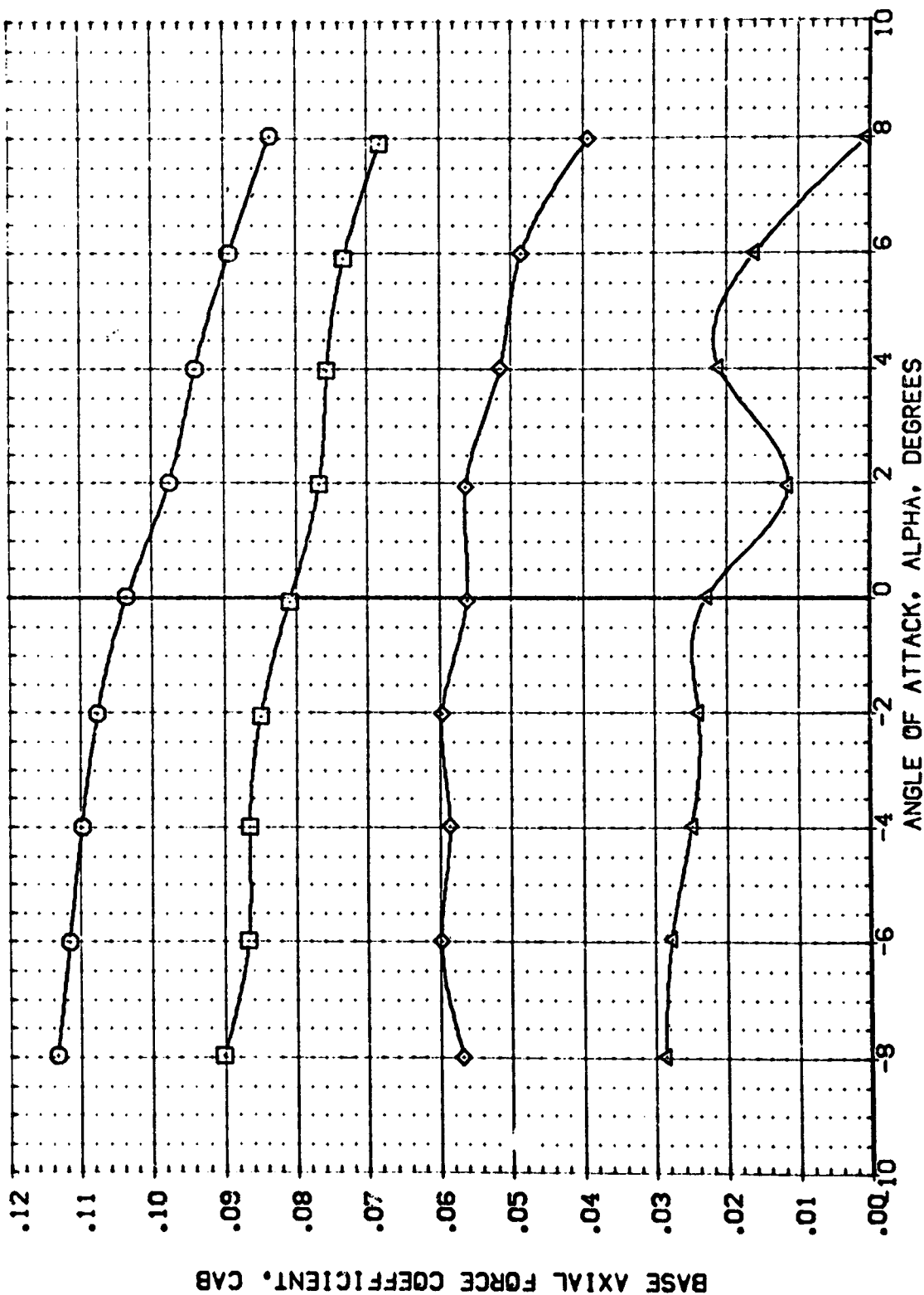
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION	
(CBV022)	ARC 97-710 [A]28 01 T1 S1	.433	.169	.000	.000	SREF	2690.0000 SQ.FT.
(CBV023)	ARC 97-710 [A]28 01 T1 S1	.433	1.050	1.000	.000	LREF	1328.0000 IN.
(CBV028)	ARC 97-710 [A]28 01 T1 S1	.433	1.790	1.000	.000	BREF	1328.0000 IN.
(CBV029)	ARC 97-710 [A]28 01 T1 S1					YMRP	953.0000 IN.
						ZMRP	400.0000 IN.
						SCALE	.0190 SCALE



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

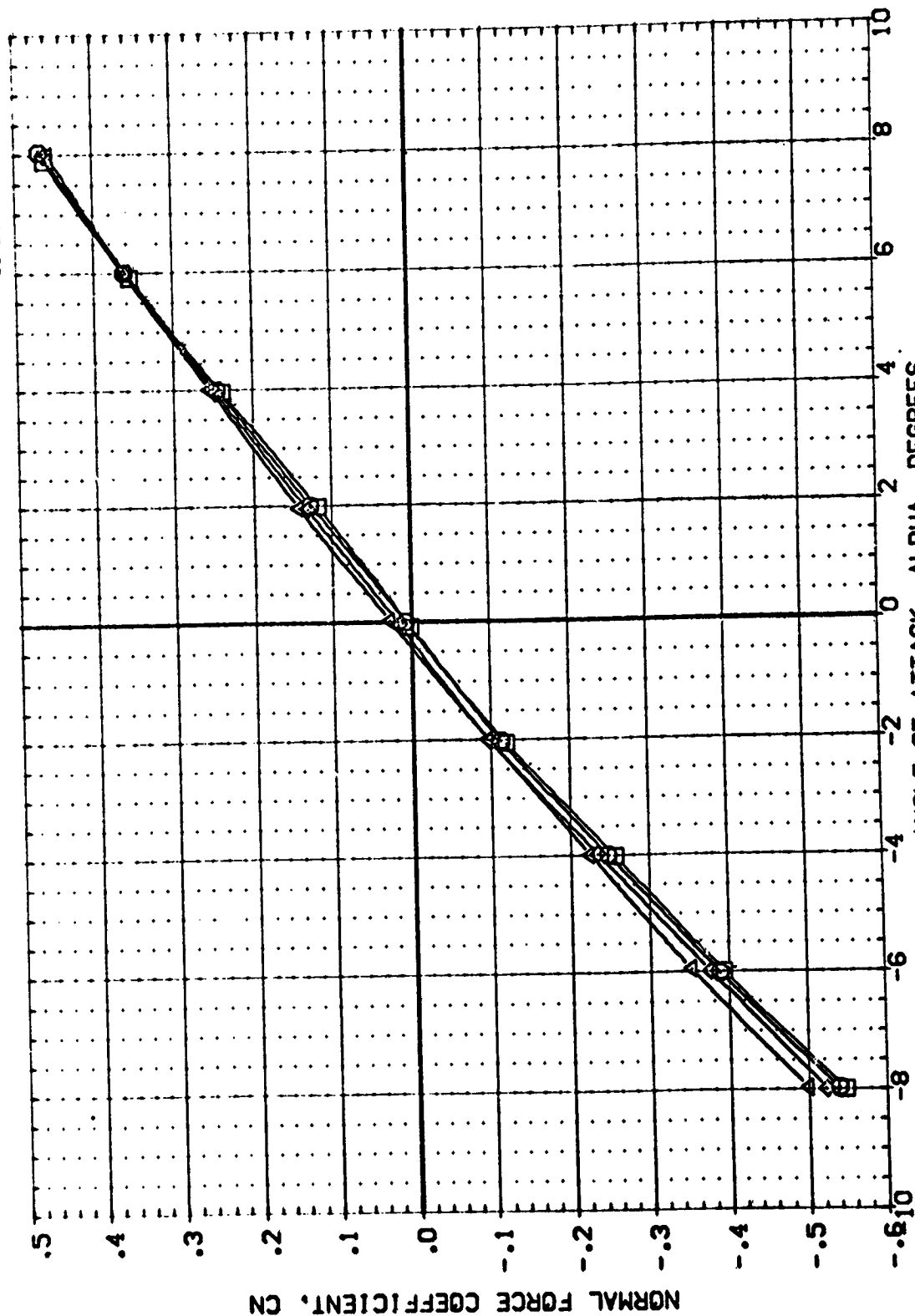
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
[CBV022]	ARC 97-710 [A128 01 T1 S1] POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
[CBV023]	ARC 97-710 [A128 01 T1 S1] CRB ON, SRMPR-NOMINAL	.433	.469	.000	.000	LREF 1328.0000 IN.
[CBV028]	ARC 97-710 [A128 01 T1 S1] CRB ON, SRMPR-2.24XNOM	.433	1.050	.000	.000	BREF 1328.0000 IN.
[CBV029]	ARC 97-710 [A128 01 T1 S1] CRB ON, SRMPR-3.83XNOM	.433	1.750	1.000	.000	VMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(MACH = 1.55)

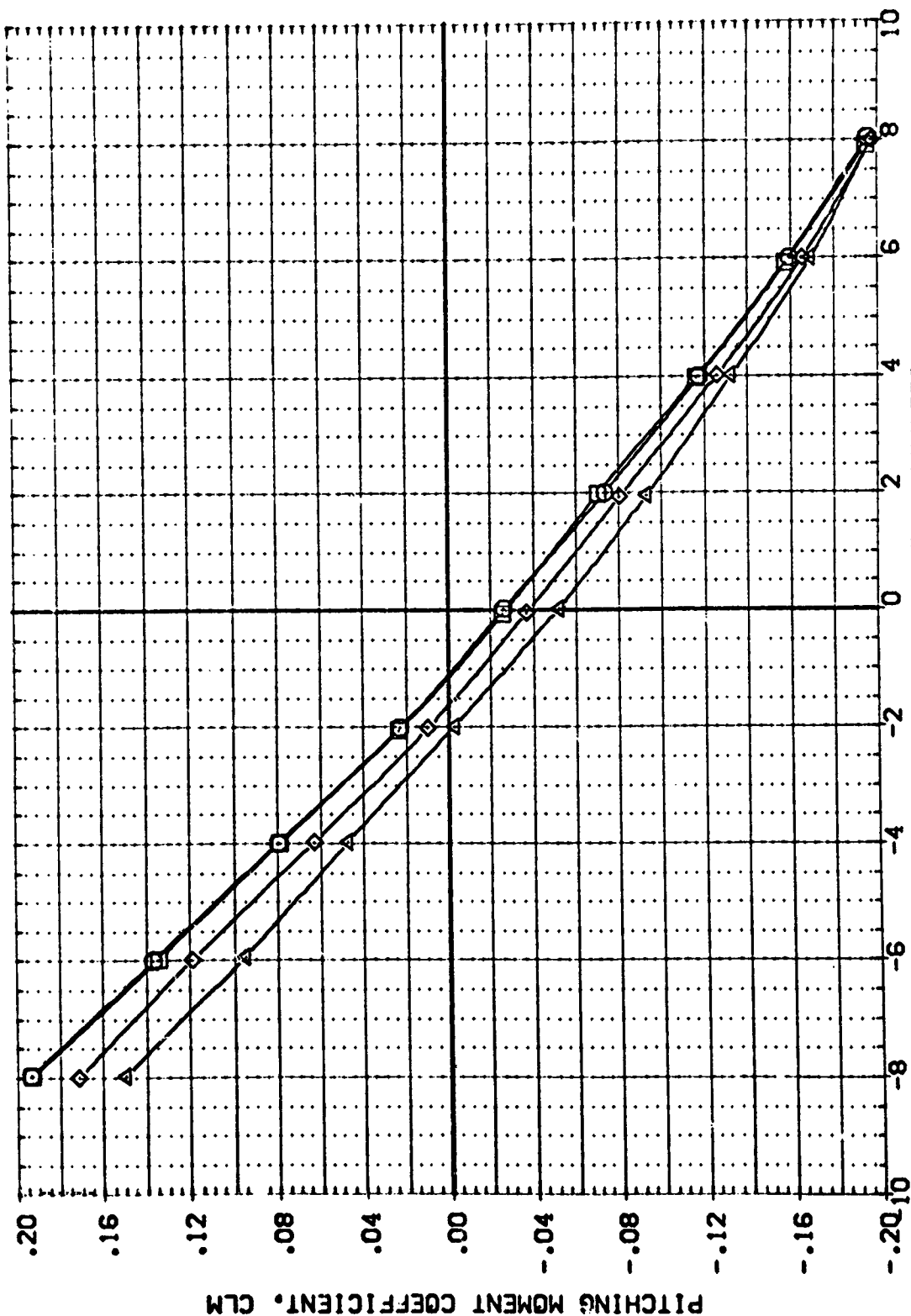
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
{CBVQ22}	ARC 97-710 IAI28 01 T1 S1 POWER OFF	.433	.469	.000	.000	SREF 2690.0000 SQ.FT.
{CBVQ23}	ARC 97-710 IAI28 01 T1 S1 OPR ON, SRMPR-NOMINAL	.433	1.050	1.000	.000	LREF 1328.0000 IN.
{CBVQ28}	ARC 97-710 IAI28 01 T1 S1 OPR ON, SRMPR=2.24XNOM	.433	1.790	1.000	.000	BREF 1328.0000 IN.
{CBVQ29}	ARC 97-710 IAI28 01 T1 S1 OPR ON, SRMPR=3.83XNOM	.433		1.000	.000	XPRP 953.0000 IN.
						YPRP 400.0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(MACH = 1.55)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
[CBV022]	ARC 97-710 [A128 01 T1 S1] POWER OFF	.433	.459	.000	.000	SREF 2690.0000 SQ.FT.
[CBV023]	ARC 97-710 [A128 01 T1 S1] C-8 ON, SRPR-NOMINAL	.433	1.050	1.000	.000	LREF 1328.0000 IN.
[CBV028]	ARC 97-710 [A128 01 T1 S1] C-8 ON, SRPR-2.24XNOM	.433	1.750	1.000	.000	BREF 1328.0000 IN.
[CBV029]	ARC 97-710 [A128 01 T1 S1] C-8 ON, SRPR-3.83XNOM	.433	1.750	1.000	.000	XREF 953.0000 IN.
						YREF 400.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190

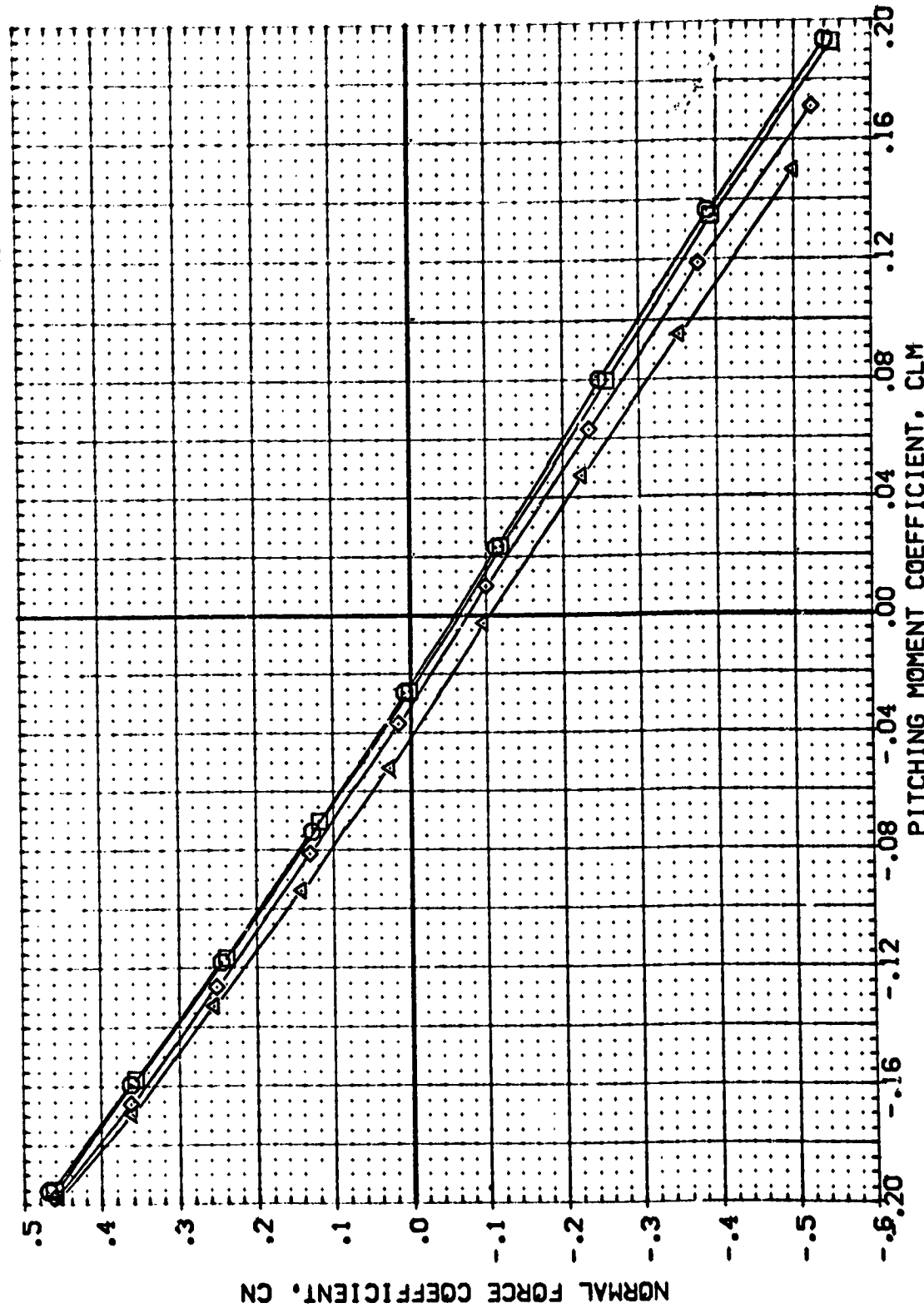


ANGLE OF ATTACK, ALPHA, DEGREES

PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(AJMACH = 1.55)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
{CBV022}	ARC 97-710 1A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SO.FT. N.
{CBV023}	ARC 97-710 1A128 01 T1 S1 OPR ON:SRPR-NOMINAL	.433	.469	1.000	.000	LREF 1378.0000 N.
{CBV028}	ARC 97-710 1A128 01 T1 S1 OPR ON:SRPR-2.24XNOM	.433	1.050	1.000	.000	BREF 1378.0000 N.
{CBV029}	ARC 97-710 1A128 01 T1 S1 OPR ON:SRPR-3.63XNOM	.433	1.790	1.000	.000	XMRP 953.0000 N.
						YMRP 400.0000 N.
						ZMRP 400.0000 N.
						SCALE .0190



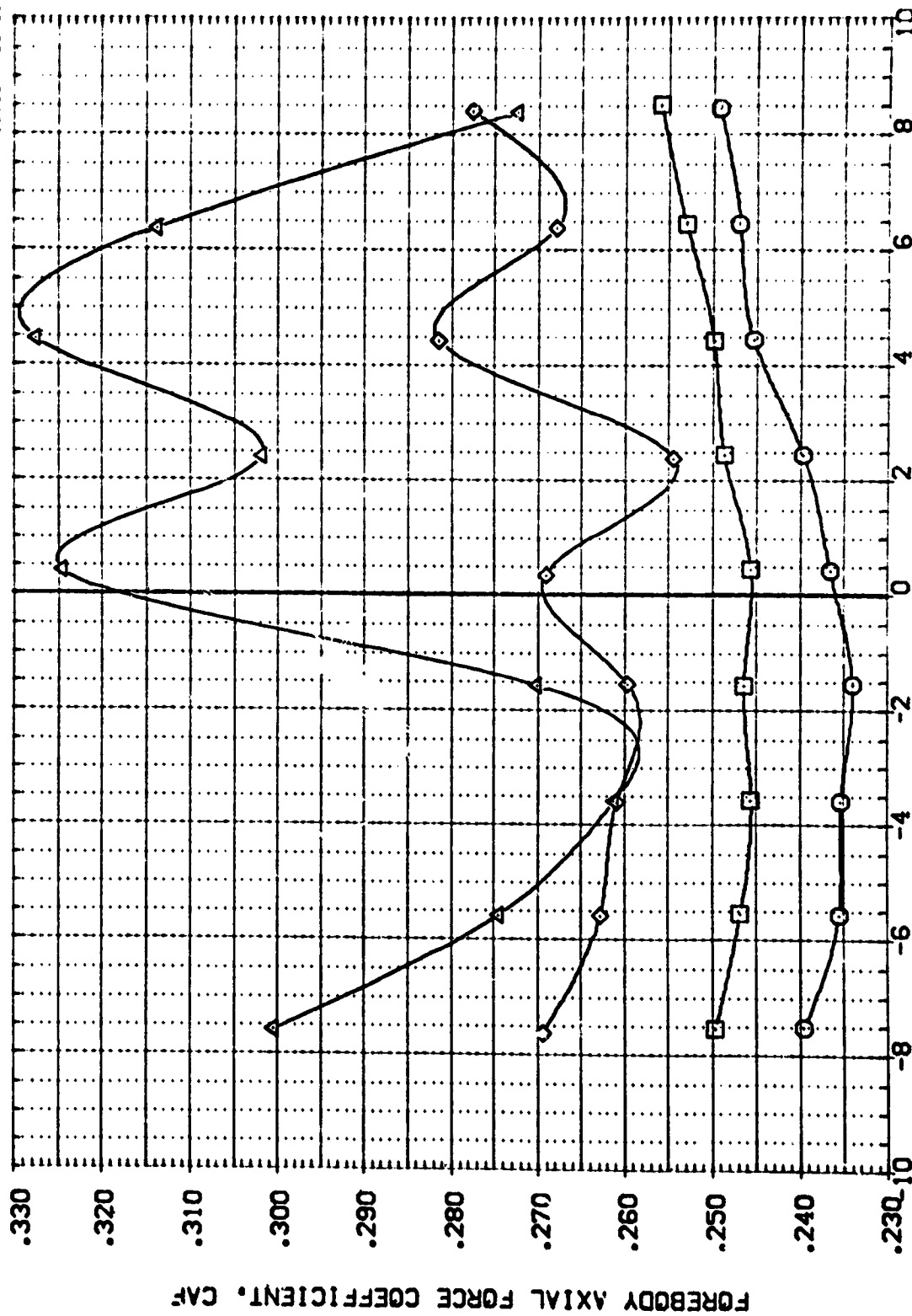
PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL

[CBV021] ARC 97-710 IAI28 01 T1 S1 POWER OFF
 [CBV029] ARC 97-710 IAI28 01 T1 S1 SPR-2.24INCH
 [CBV031] ARC 97-710 IAI28 01 T1 S1 CRB ON, SPR-2.24INCH
 [CBV033] ARC 97-710 IAI28 01 T1 S1 CRB ON, SPR-3.83INCH

DFR .409 .557 .000
 SPR 1.245 2.128 .000
 POWER 1.000 1.000 1.000
 RUDDER .000 .000 .000
 REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE

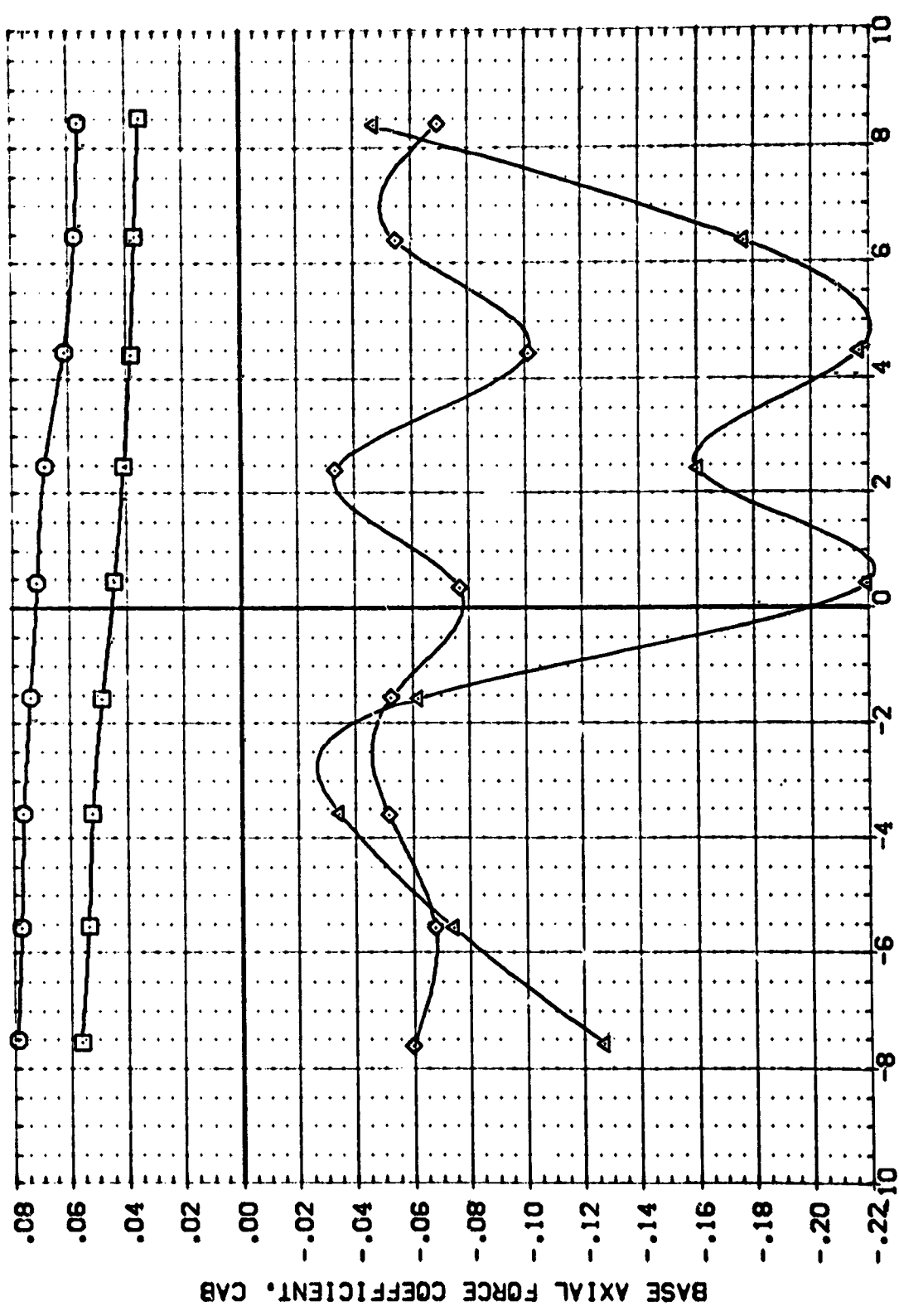


ANGLE OF ATTACK, ALPHA, DEGREES

PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV021)	ARC 97-710 [A] 29 [C] 11 [S] POWER OFF	.409	.557	.000	.000	SREF 2690.0000 SQ.FT.
(CBV029)	ARC 97-710 [A] 29 [C] 11 [S] SRPR=MINIMAL	.409	1.245	.000	.000	LREF 1378.0000 IN.
(CBV031)	ARC 97-710 [A] 29 [C] 11 [S] OPR ON SRPR=2.24XNDH	.409	2.128	.000	.000	BREF 1378.0000 IN.
(CBV030)	ARC 97-710 [A] 29 [C] 11 [S] OPR ON SRPR=3.83XNDH	.409	2.128	.000	.000	VREF 953.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190

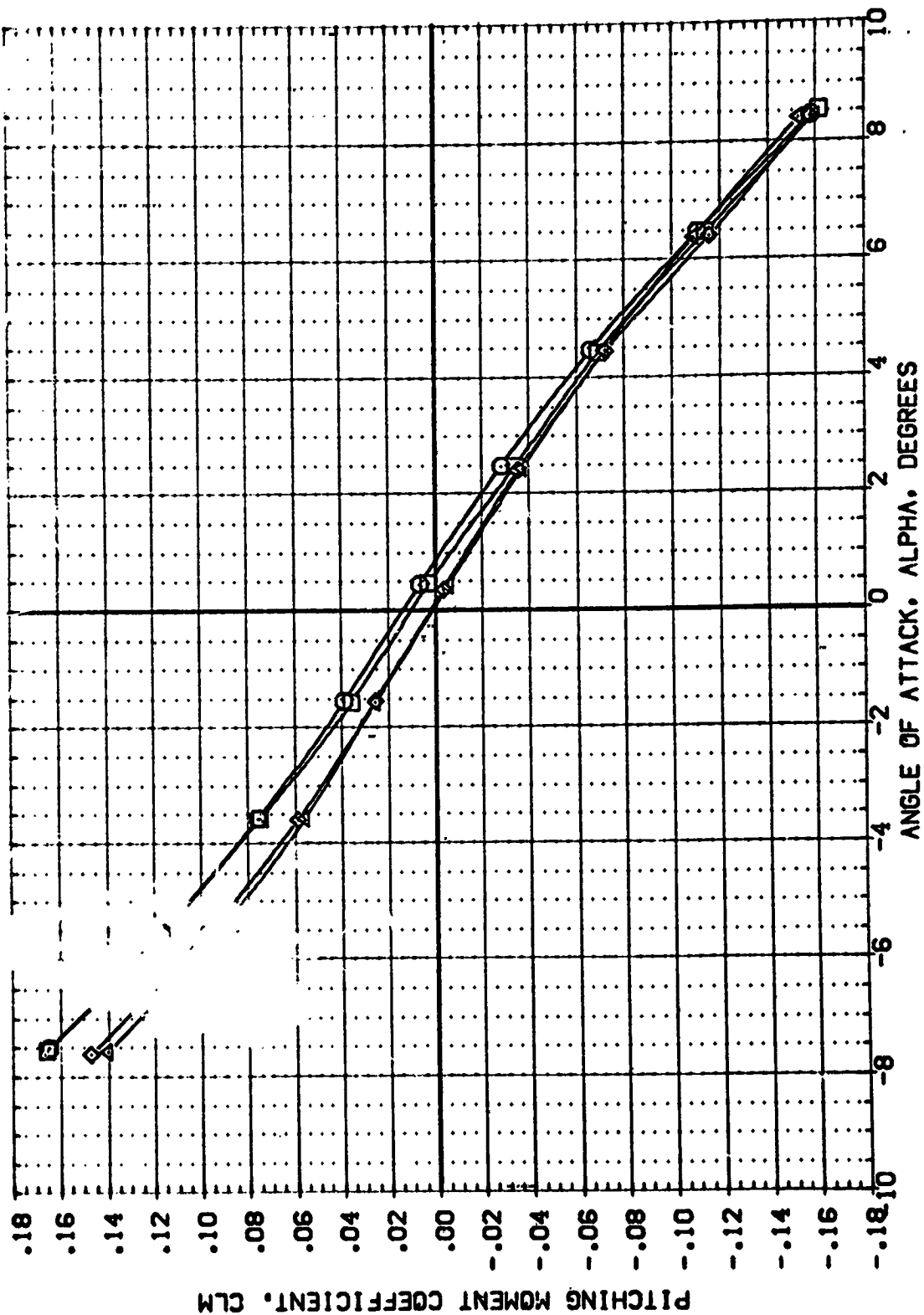


PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV021)	ARC 97-710 1A128 01 11 S1 POWER OFF	.409	.557	.000	.000	SREF 2690.0000 SO.FT.
(CBV009)	ARC 97-710 1A128 01 11 S1 SRPR-NOMINAL	.409	1.245	.000	.000	LREF 1328.0000 IN.
(CBV031)	ARC 97-710 1A128 01 11 S1 CAS 2.4 SRPR 2.2400M	.409	2.128	.000	.000	BREF 1328.0000 IN.
(CBV030)	ARC 97-710 1A128 01 11 S1 DFB 0.5 SRPR 3.8300M	.409	2.128	.000	.000	YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0167

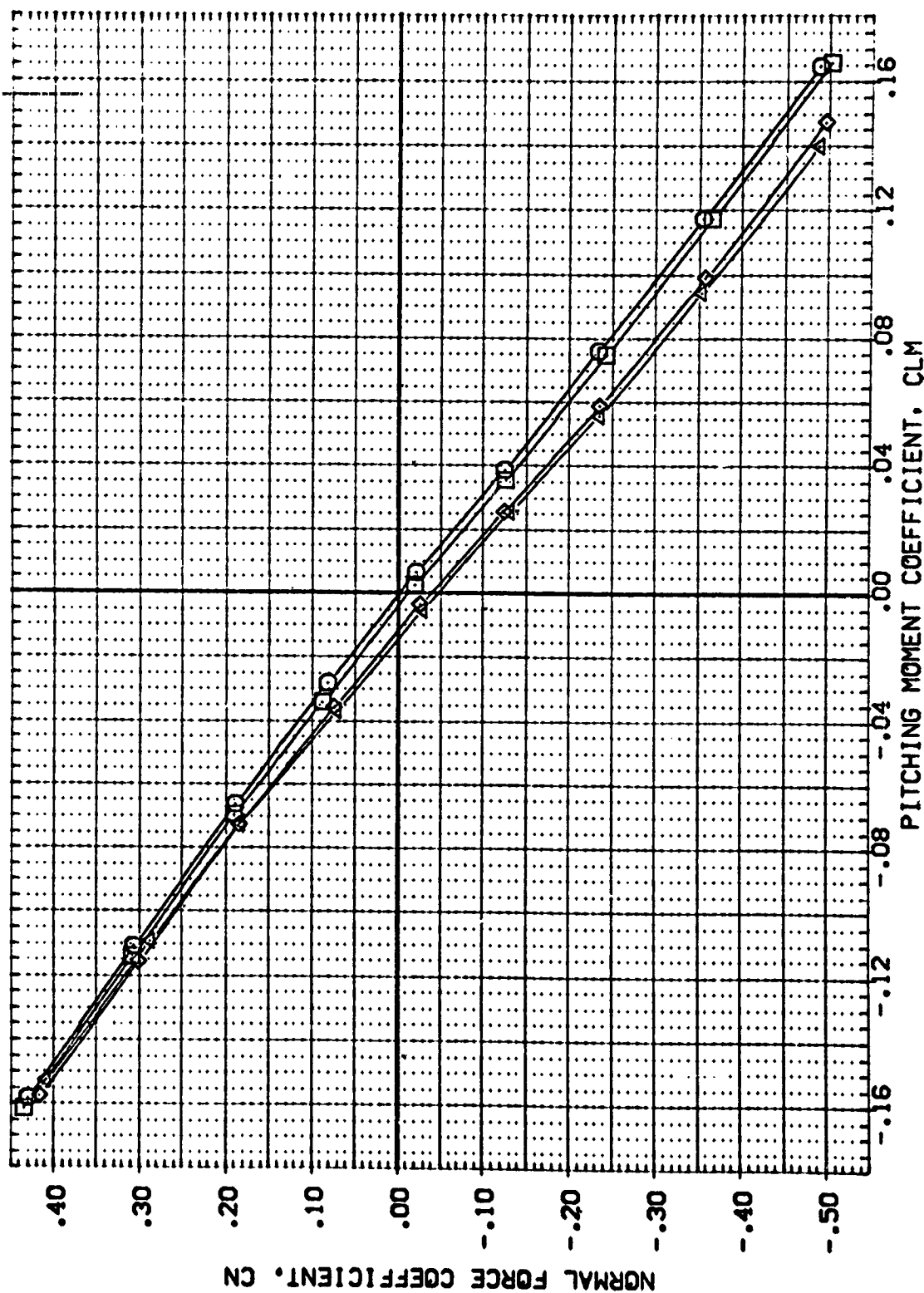


PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV021)	ARC 97-710 (A128 01 T1 S1) POWER OFF	.409	.557	.000	.000	SREF 2690.0000 SQ. FT.
(CBV009)	ARC 97-710 (A128 01 T1 S1) SRPR-NOMINAL	.409	1.245	1.000	.000	LREF 1378.0000 IN.
(CBV031)	ARC 97-710 (A128 01 T1 S1) OPR CN SRPR-2.24XNOM	.409	2.128	1.000	.000	BREF 1378.0000 IN.
(CBV030)	ARC 97-710 (A128 01 T1 S1) OPR CN SRPR-3.83XNOM	.409	2.128	1.000	.000	YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

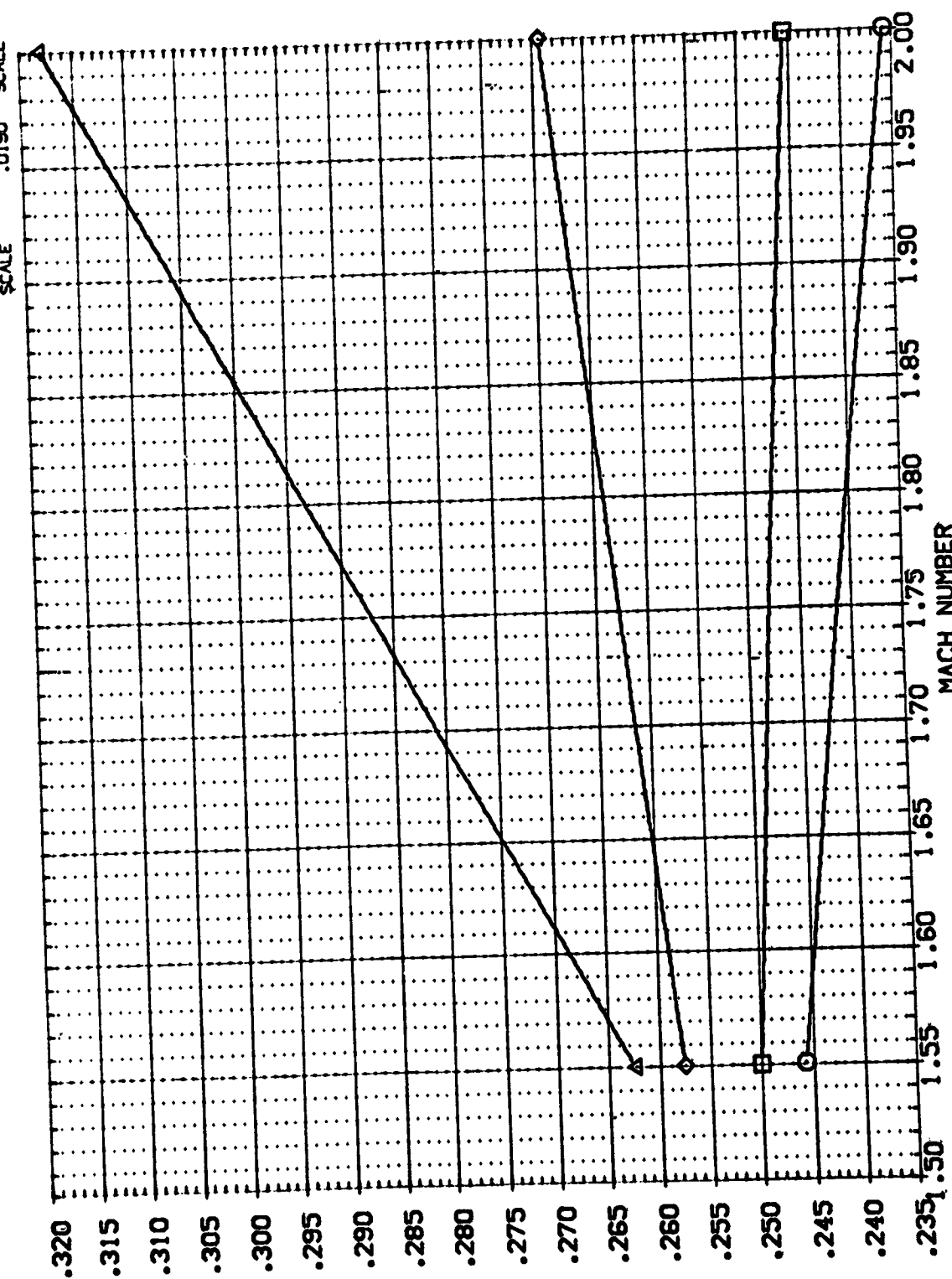
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 0.0190 IN.
 SCALE

POWER RUDDER GIMBAL
 .000 .000 1.000
 .000 .000 1.000
 .000 .000 1.000
 .000 .000 1.000

CONFIGURATION DESCRIPTION
 ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 ARC 97-710 [A] 28 01 T1 S1 DRB ON: SPPR-NOMINAL
 ARC 97-710 [A] 28 01 T1 S1 DRB ON: SPPR-2.24XNOM
 ARC 97-710 [A] 28 01 T1 S1 DRB ON: SPPR-3.63XNOM

DATA SET SYMBOL
 (FBVQ22)
 (FBVQ23)
 (FBVQ28)
 (FBVQ29)

FOREBODY AXIAL FORCE COEFFICIENT AT ZERO ANGLE OF ATTACK • C_{FA0}



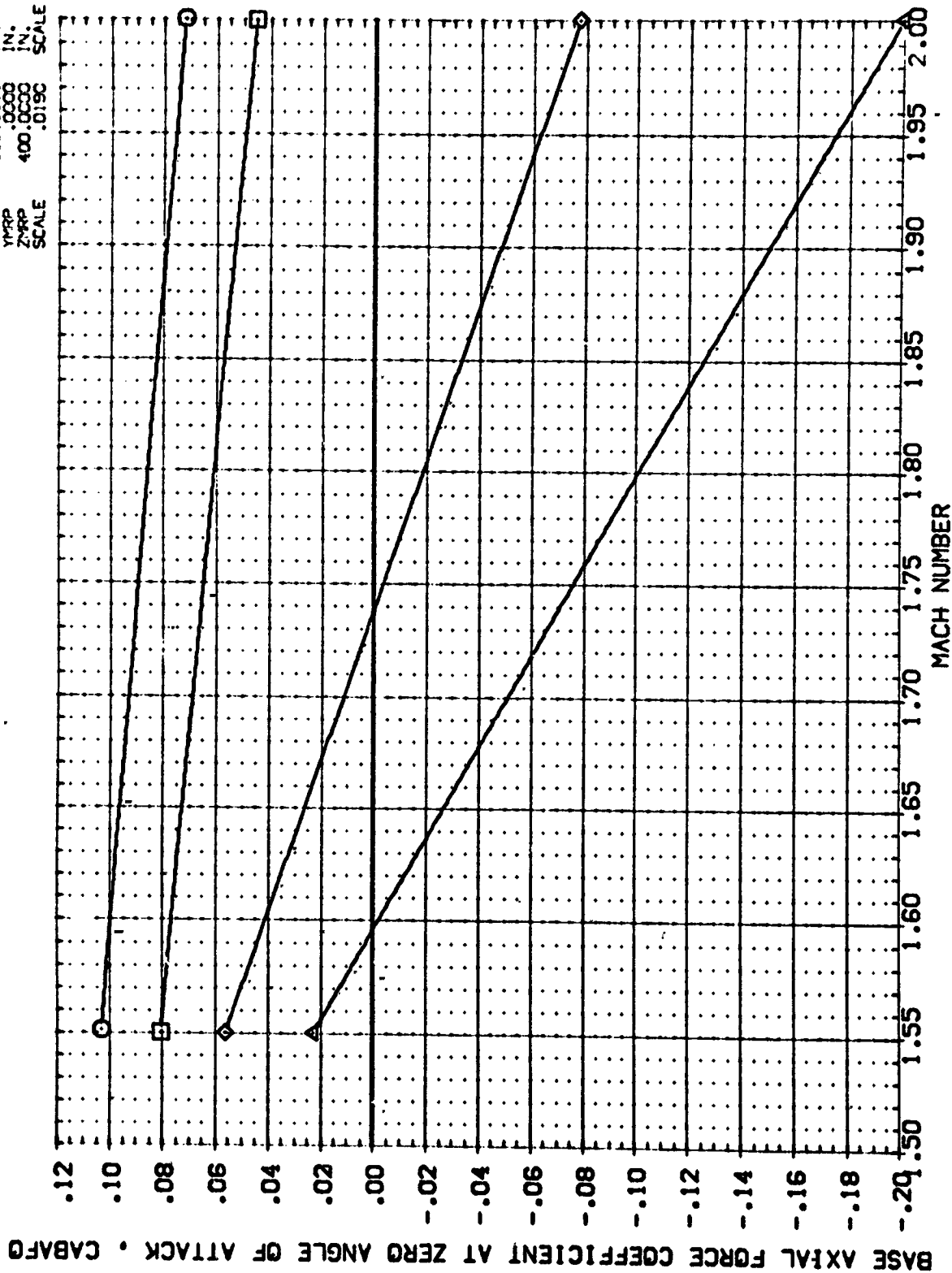
PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL
(FBV022)	ARC 97-710 1A128 01 11 SI POWER OFF	.000	.000	1.000
(FBV023)	ARC 97-710 1A128 01 11 SI CR8 ON: SRR-2.24X10M	.000	.000	1.000
(FBV028)	ARC 97-710 1A128 01 11 SI CR8 ON: SRR-2.24X10M	.000	.000	1.000
(FBV029)	ARC 97-710 1A128 01 11 SI CR8 ON: SRR-3.83X10M	.000	.000	1.000

REFERENCE INFORMATION

REFERENCE INFORMATION	SD.F.T.
SREF	2690.0000
LREF	1328.0000
BREF	1328.0000
YMRP	553.0000
ZMRP	400.0000
SCALE	.019C



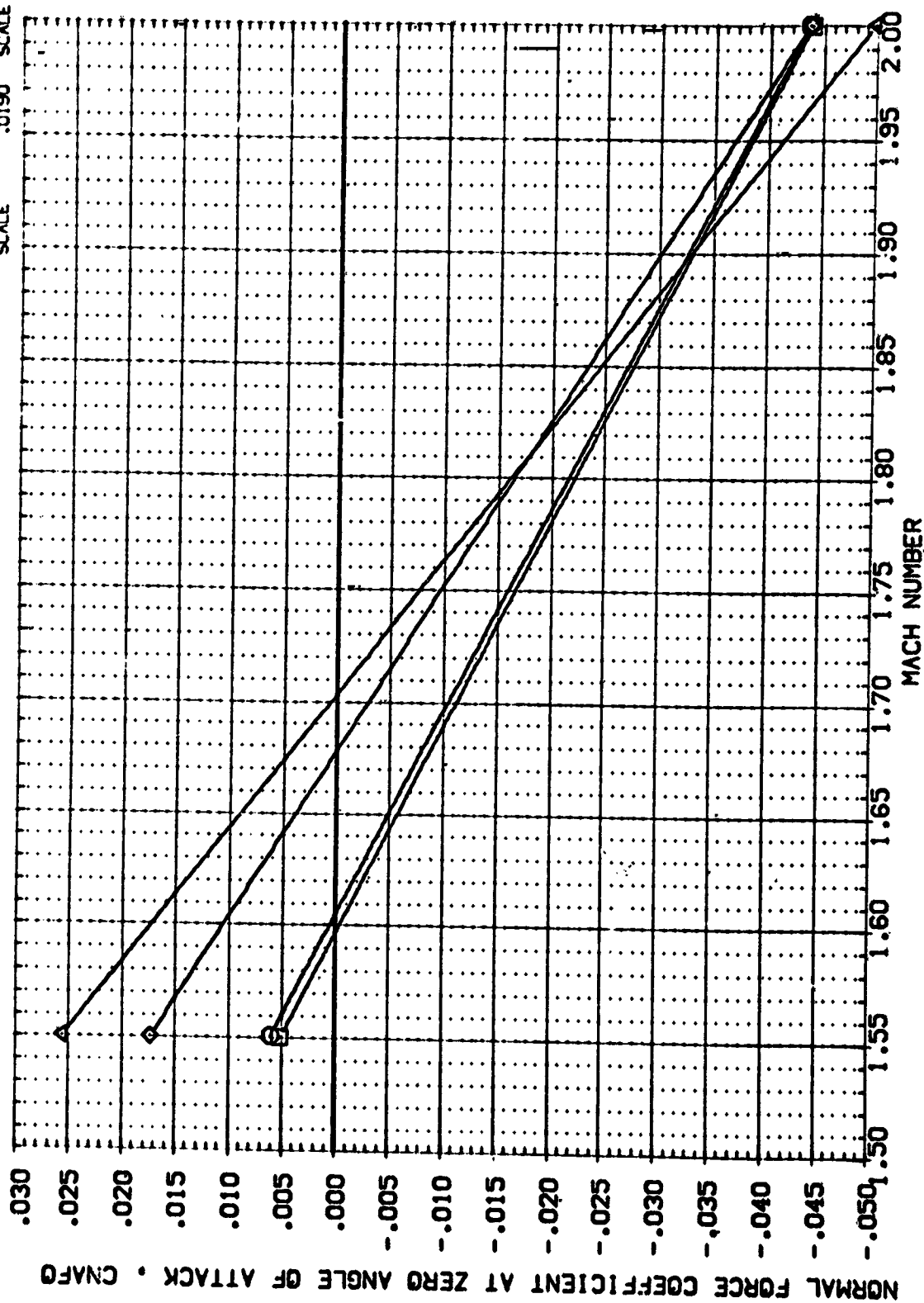
PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

{FBV022} ARC 97-710 1A128 01 T1 S1 POWER OFF
 {FBV023} ARC 97-710 1A128 01 T1 S1 ORB CN:SRPR-NOMINAL
 {FBV028} ARC 97-710 1A128 01 T1 S1 ORB CN:SRPR-2.24VNDM
 {FBV029} ARC 97-710 1A128 01 T1 S1 ORB CN:SRPR-3.63VNDM

POWER RUDDER GIMBAL
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP .0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMB. CONFIGURATION DESCRIPTION

[FBV022] ARC 97-710 [A128 01 T1 S1] POWER OFF

[FBV023] ARC 97-710 [A128 01 T1 S1] 058 ON, SRPR-NOMINAL

[FBV028] ARC 97-710 [A128 01 T1 S1] 058 ON, SRPR-2.24XNOM

[FBV029] ARC 97-710 [A128 01 T1 S1] 058 ON, SRPR-3.83XNOM

POWER RUDDER GIMBAL

.000 .000 .000

1.000 1.000 1.000

1.000 1.000 1.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.

LREF 328.0000 IN.

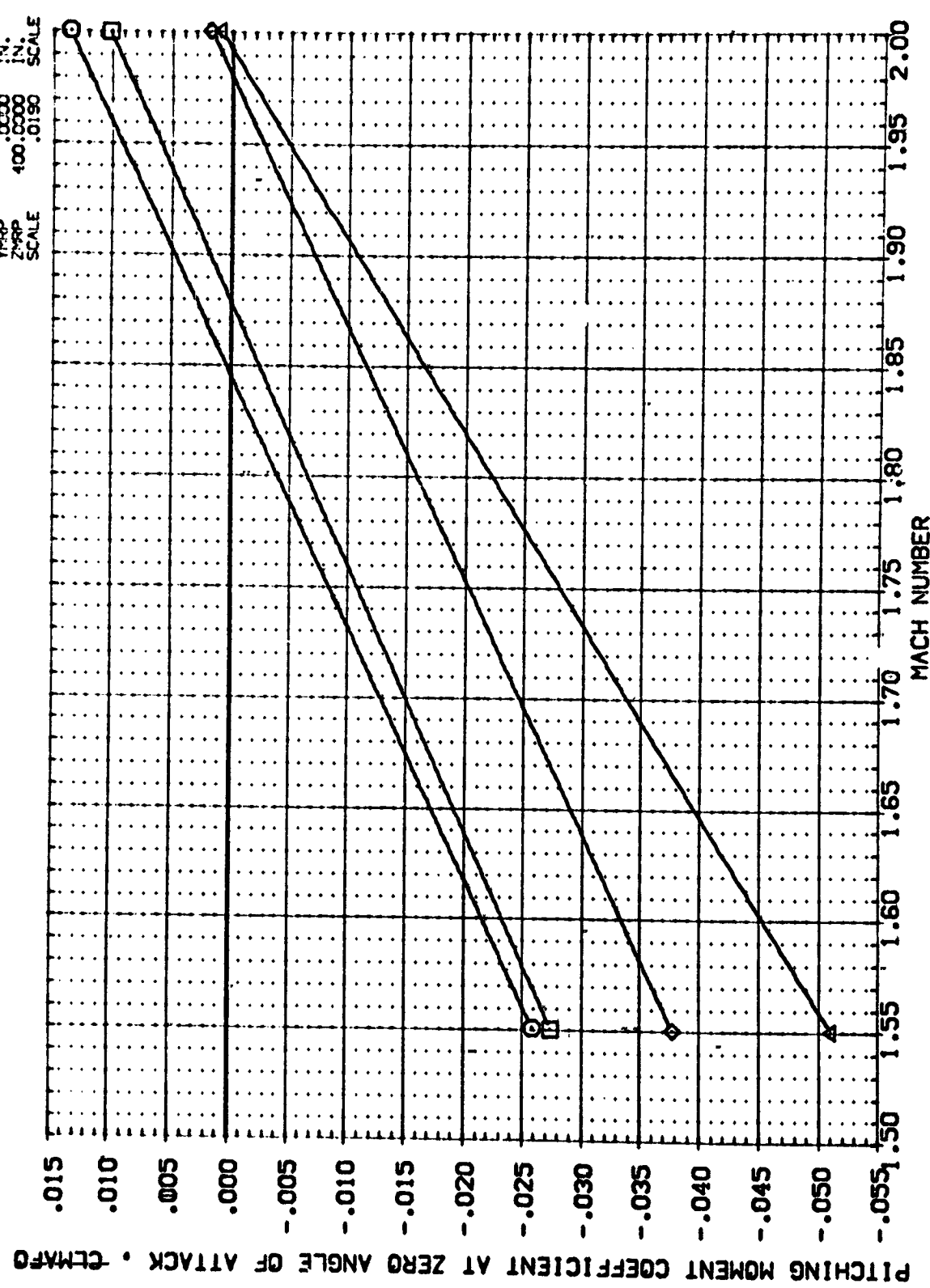
BREF 328.0000 IN.

XMRP 953.0000 IN.

YMRP 400.0000 IN.

ZMRP 0190 IN.

SCALE

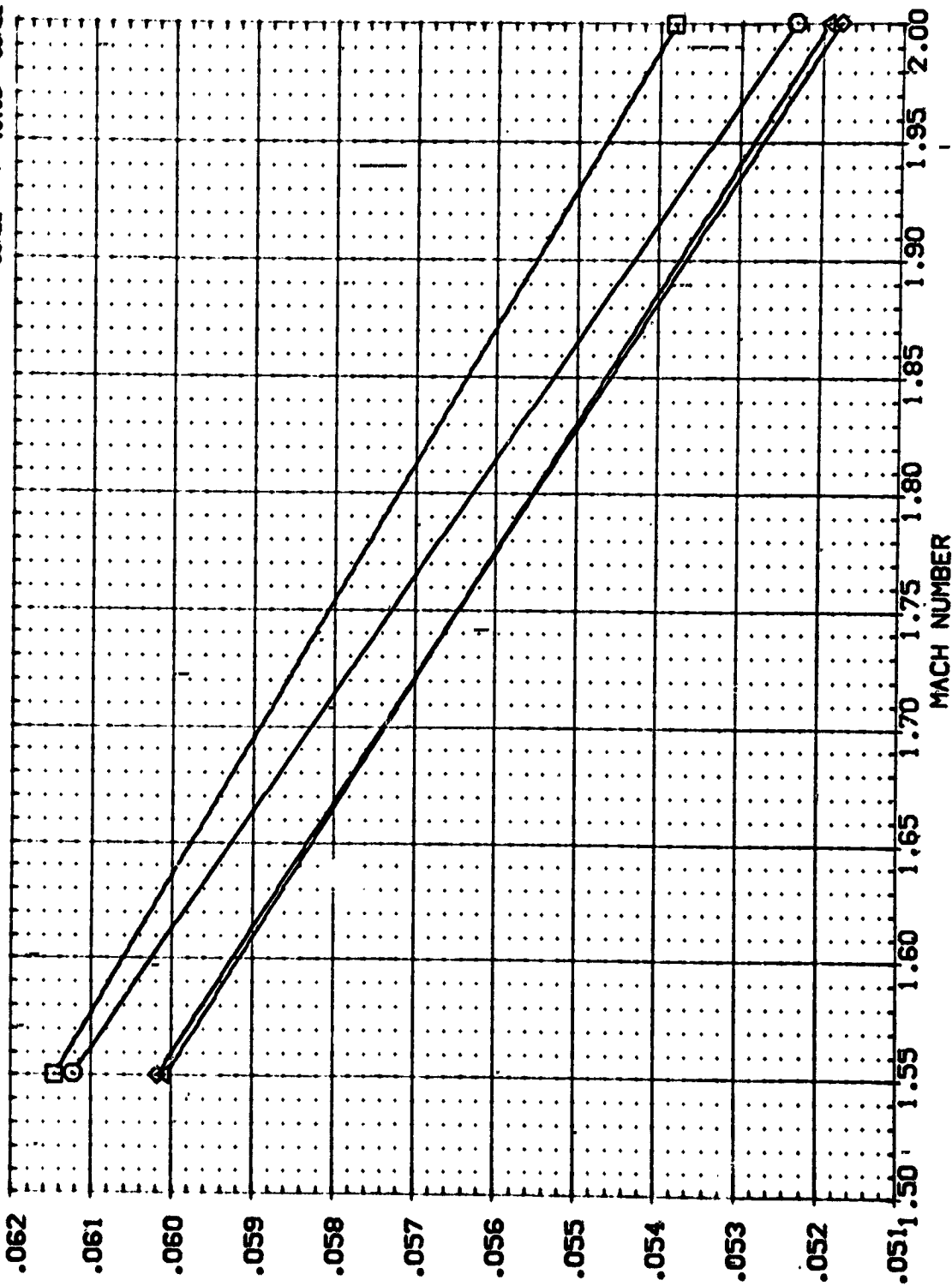


PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SCALE
(FBV022)	ARC 97-710 [A128 01 T1 S1] POWER OFF	.000	.000	1.000	2690.0000	1328.0000	1328.0000	953.0000	400.0000	.0190	SCALE
(FBV023)	ARC 97-710 [A129 01 T1 S1] DB8 ON: SRPR-NOMINAL	1.000	.000	1.000							
(FBV028)	ARC 97-710 [A128 01 T1 S1] DB8 ON: SRPR-2.24XNDH	1.000	.000	1.000							
(FBV029)	ARC 97-710 [A128 01 T1 S1] DB8 ON: SRPR-3.83XNDH	1.000	.000	1.000							

NORMAL FORCE COEFFICIENT DERIVATIVE WITH ALPHA, CNALFA, PER DEGREE

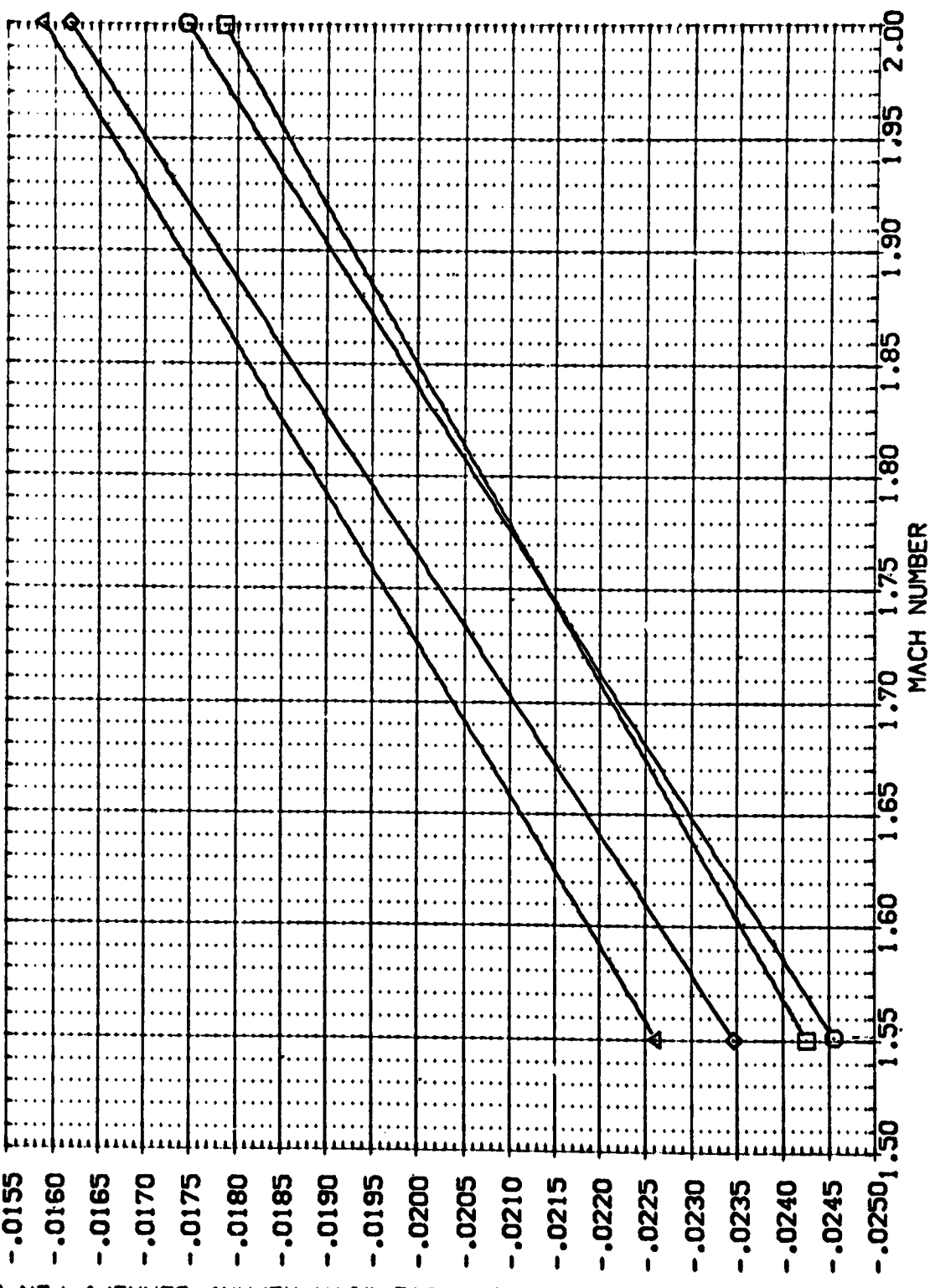


PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	REF	SQ. FT.
(FBV022)	ARC 97-710 [A] 28 01 T1 S1 POWER OFF	.000	.000	1.000	2690.0000	1328.0000
(FBV023)	ARC 97-710 [A] 28 01 T1 S1 CRB CN SRPR-NOMINAL	1.000	.000	1.000	1328.0000	953.0000
(FBV028)	ARC 97-710 [A] 28 01 T1 S1 CRB CN SRPR-2.24XNOH	1.000	.000	1.000	400.0000	400.0000
(FBV029)	ARC 97-710 [A] 28 01 T1 S1 CRB CN SRPR-3.63XNOH	1.000	.000	1.000	400.0000	400.0000

SCALE .0190



PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(FBV022) ARC 97-710 [A]28 01 T1 S1 POWER OFF

(FBV023) ARC 97-710 [A]28 01 T1 S1 CRB ON, SRPR-NOMINAL

(FBV028) ARC 97-710 [A]28 01 T1 S1 CRB ON, SRPR-2.24XNDM

(FBV029) ARC 97-710 [A]28 01 T1 S1 CRB ON, SRPR-3.63XNDM

POWER RUDDER GIMBAL

.000 .000 1.000

1.000 .000 1.000

1.000 .000 1.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

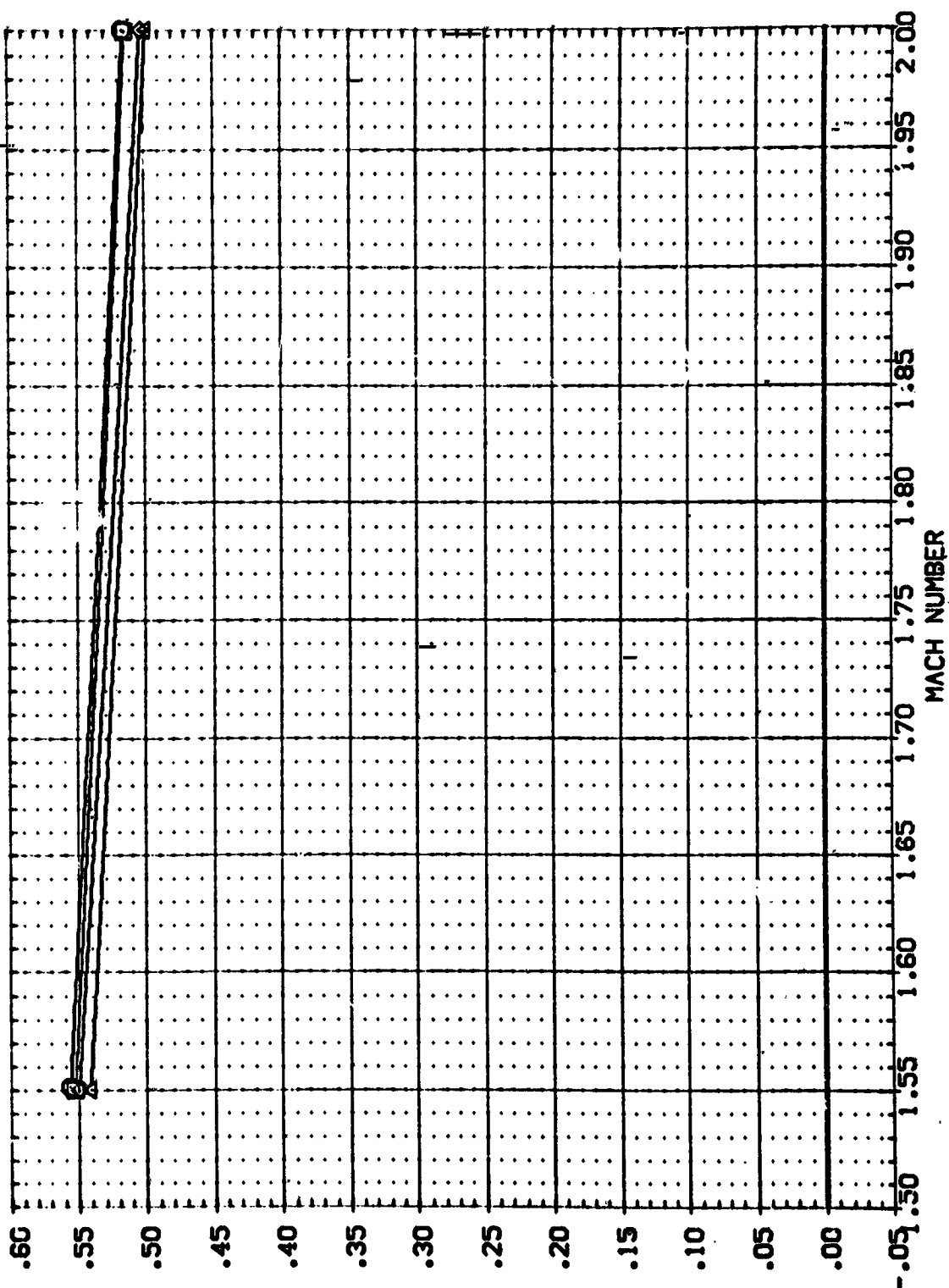
BREF 1328.0000 IN.

XMRP 953.0000 IN.

YMRP 400.0000 IN.

ZMRP 10190 SCALE

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH

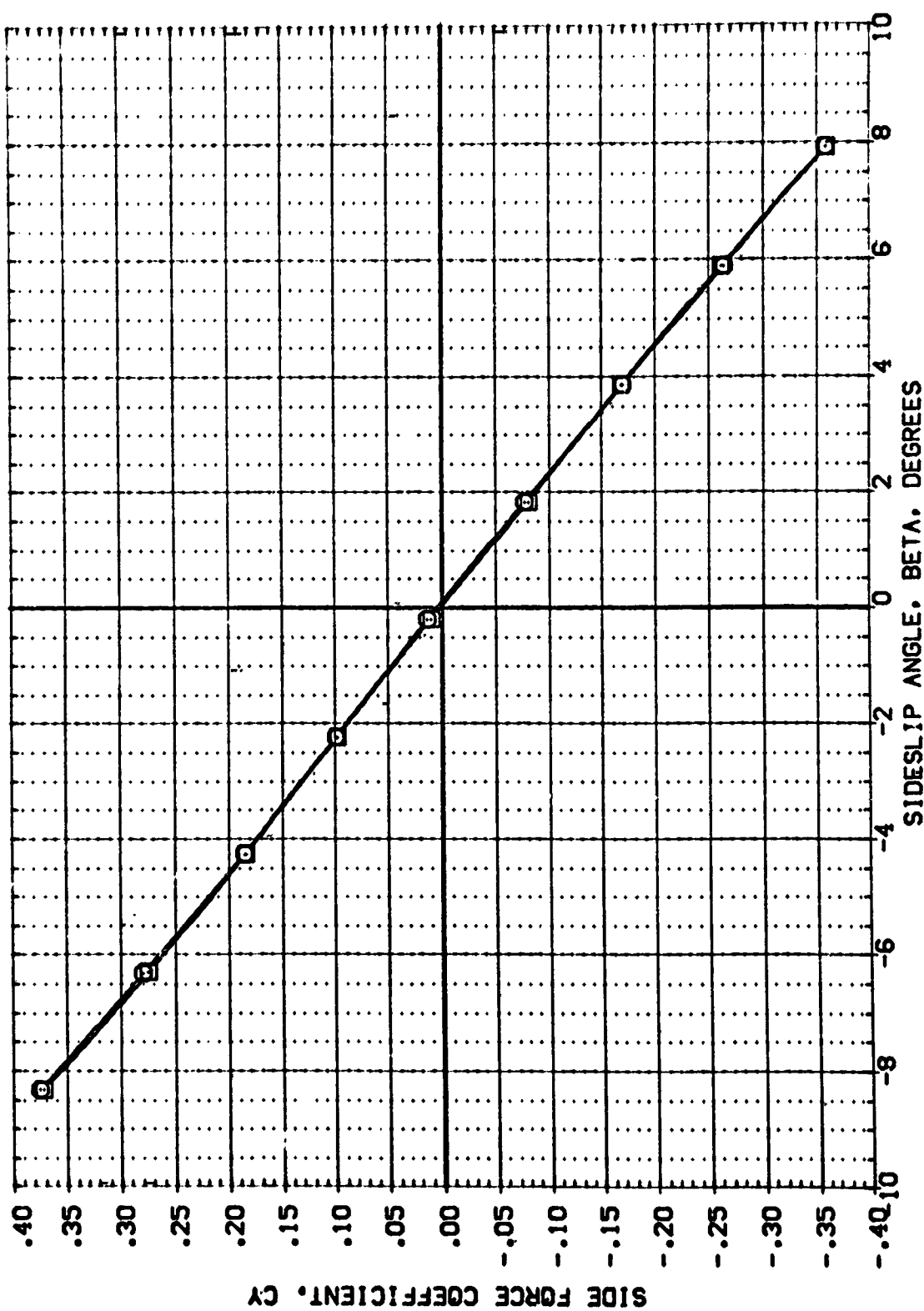


PLUME SIZE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: BBV0271
 CONFIGURATION DESCRIPTION: ARC 97-710 1A128 01 11 S1 POWER OFF
 BBV0251 ARC 97-710 1A128 01 11 S1 DRB ON:SRPPR-NOMINAL

OPR: .433
 SRPPR: .469
 POWER: .000
 RUDDER: .000

REFERENCE INFORMATION:
 SREF: 2650.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: .0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV027) ☐ ARC 97-710 1A128 01 T1 SI POWER OFF
 (BBV025) ☐ ARC 97-710 1A128 01 T1 SI ORG ON: SRPR-NOMINAL

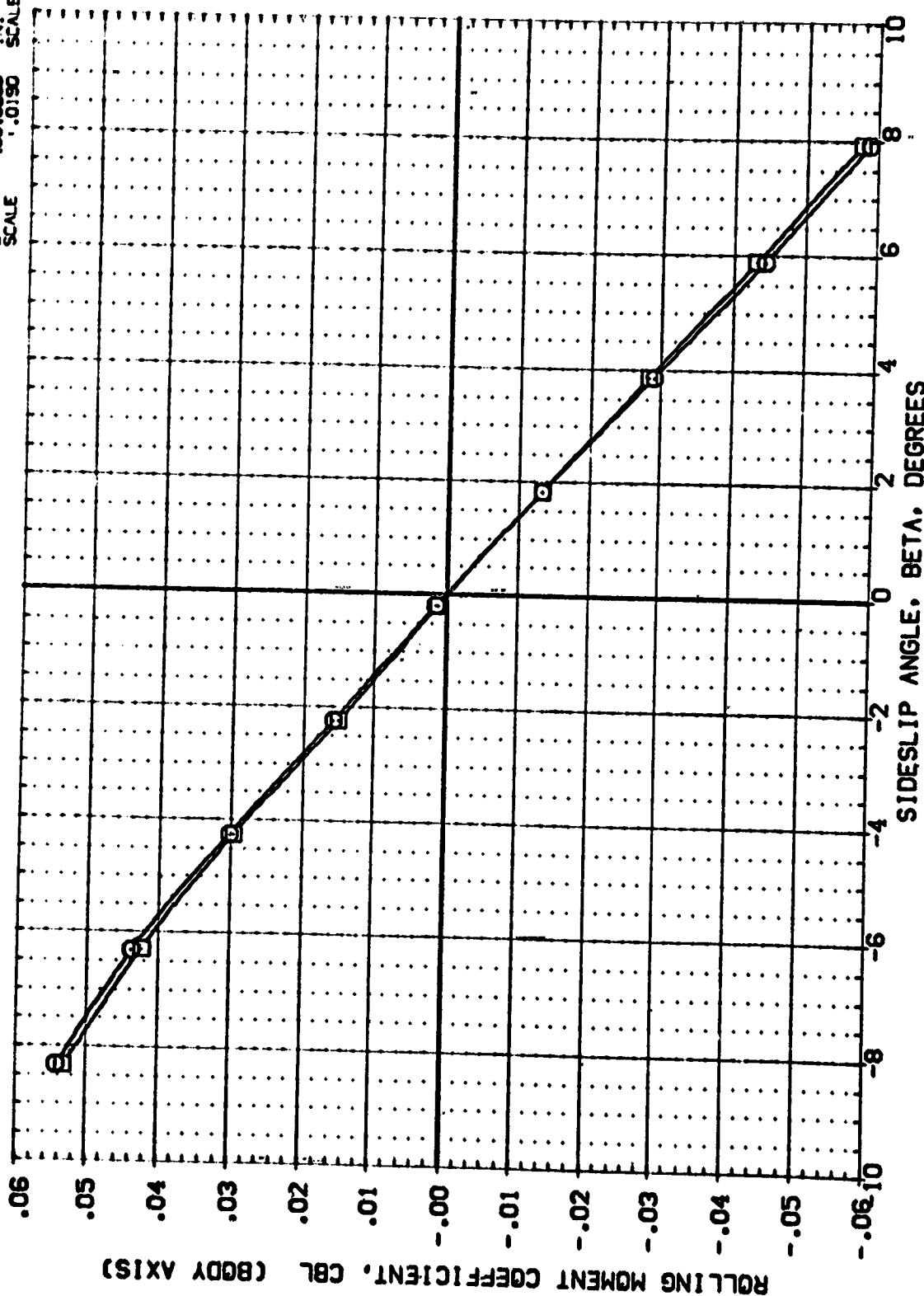
CPR .433

SRPR .469

POWER .000
1.000

RUDDER .000
.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1378.0000 IN.
 BREF 1378.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 400.0000 IN.
 SCALE 1.0190 SCALE



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

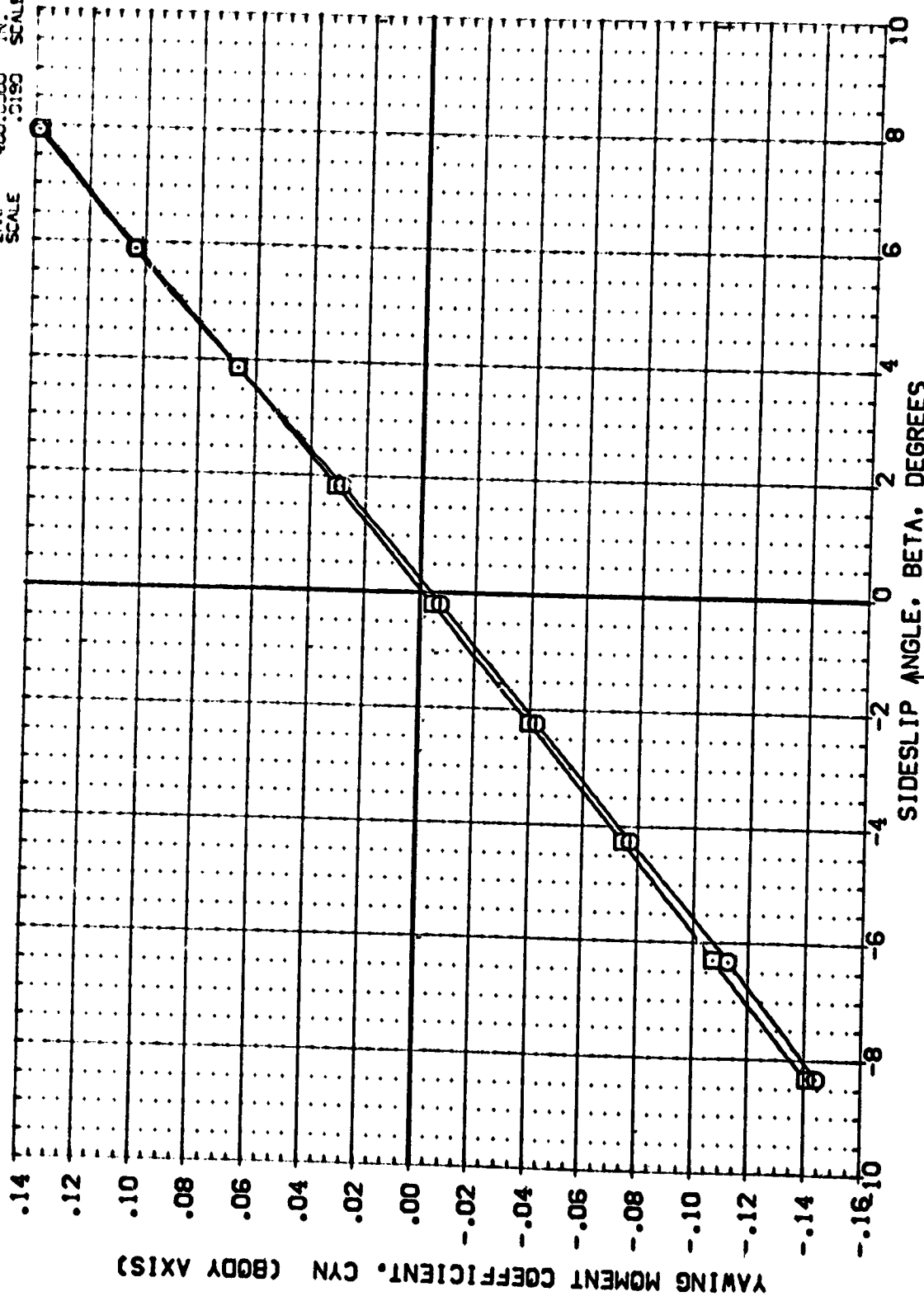
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV027)
(BBV025)

ARC 97-710 1A128 01 T1 S1 POWER OFF
ARC 97-710 1A128 01 T1 S1 CRB ON, SRPR-NOMINAL

OPR .433 SRPR .469 POWER .000 RUDDER .000

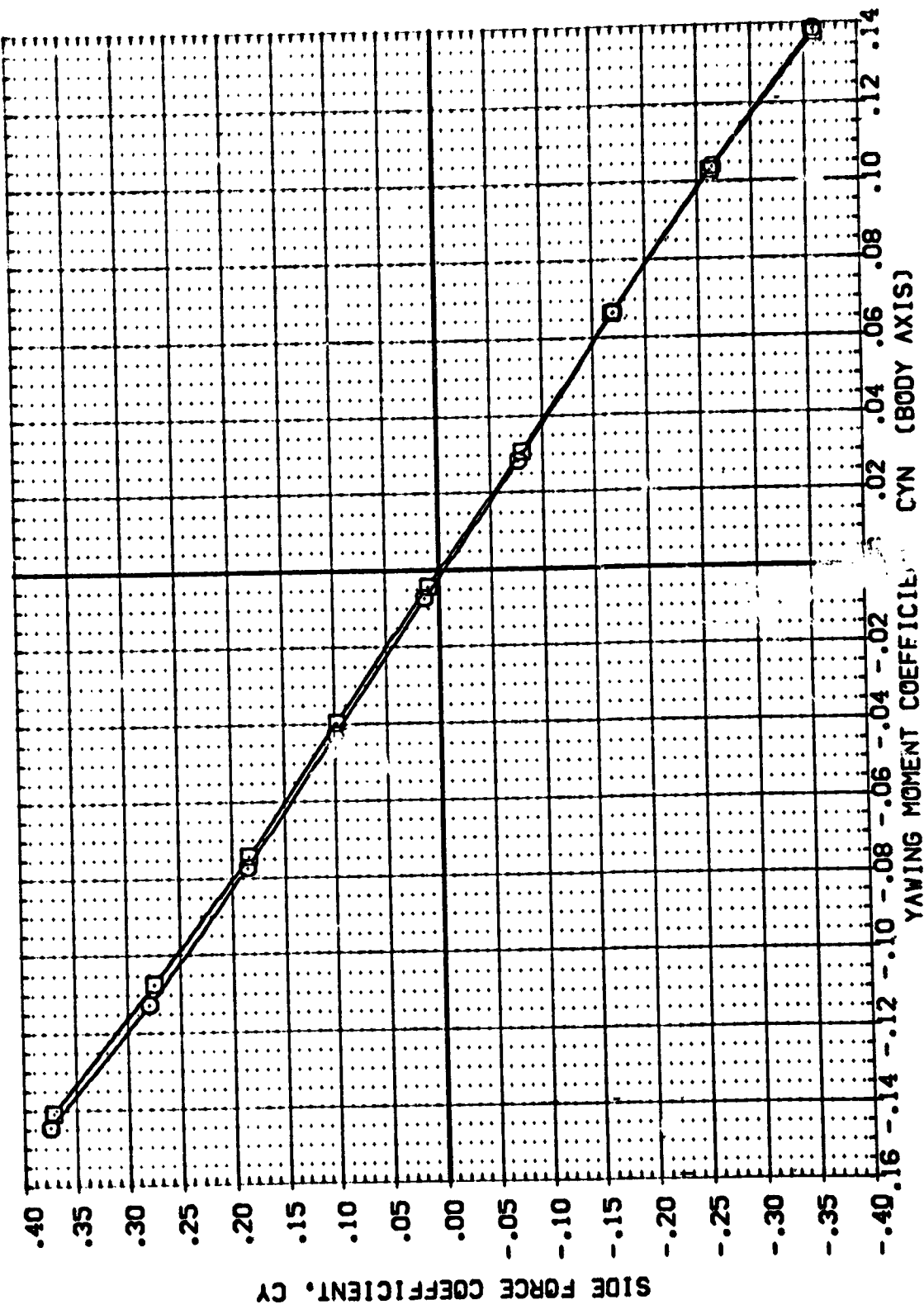
REFERENCE INFORMATION
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LREF 1328.0000 IN.
BREF 1328.0000 IN.
XMRP 953.0000 IN.
VMRP 400.0000 IN.
ZMRP 400.0000 IN.
SCALE .0190 SCALE



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		GPR		SRPR		POWER		RUDDER		REFERENCE INFORMATION	
(88/027)		ARC 97-710 (A)28 01 T1 S1 POWER OFF		.433		.469		.000		.000		SREF 2690.0000 SO.FT.	
(88/025)		ARC 97-710 (A)28 01 T1 S1 058 ON, SRPR-NOMINAL						.000		.000		LREF 1378.0000 IN.	
												BREF 1378.0000 IN.	
												YPRP 953.0000 IN.	
												ZPRP 400.0000 IN.	
												SCALE .0190	



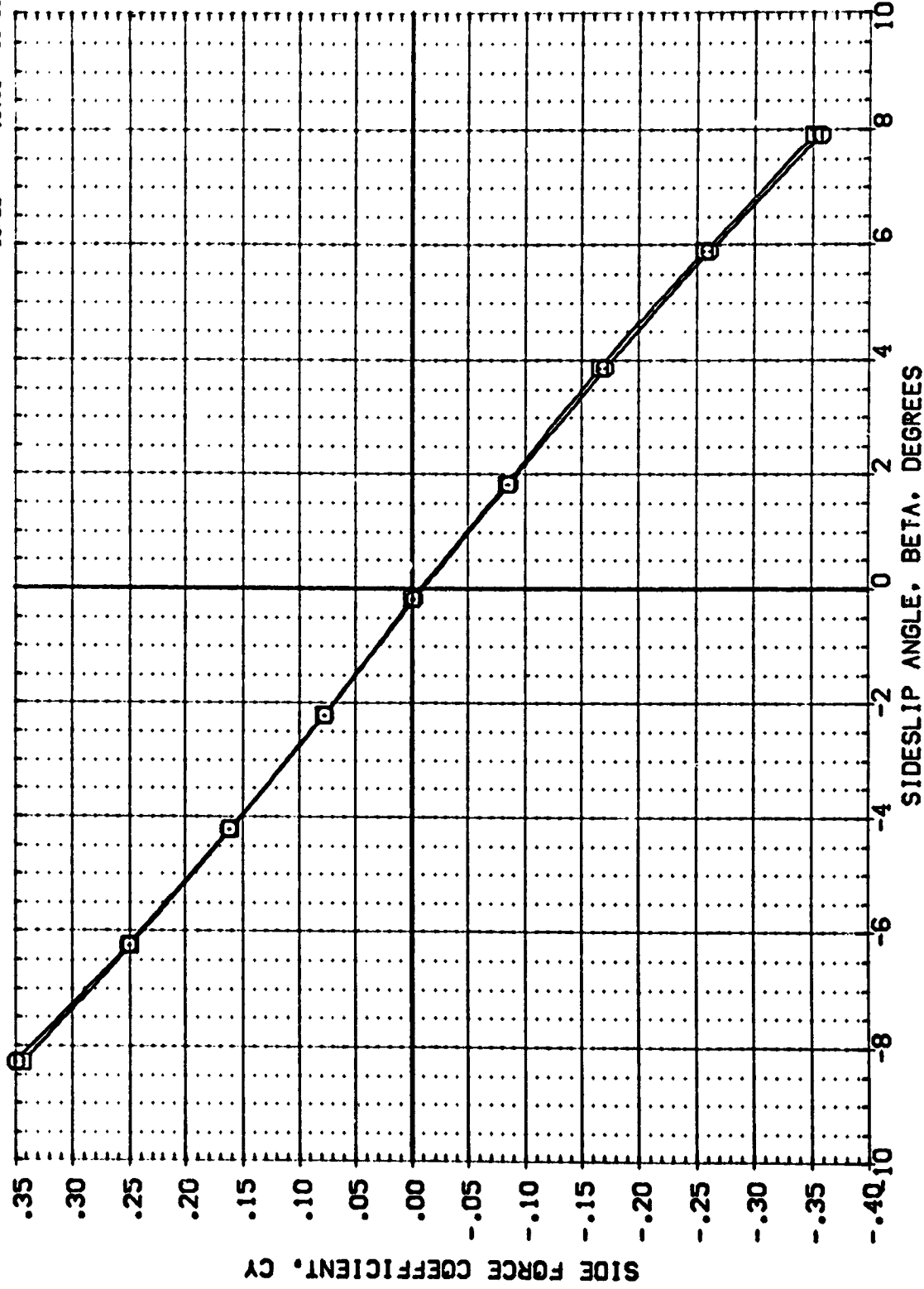
PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BBV003) □ ARC 97-710 1A128 CI T1 S1 POWER OFF
(BBV004) □ ARC 97-710 1A128 CI T1 S1

OPR SRMPR POWER RUDDER
.433 .169 .000 .000

REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 1328.0000 N.
BREF 1328.0000 N.
YPRP 953.0000 N.
ZPRP .0000 N.
SCALE 400.0000 N.
SCALE .0190



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV003) ARC 97-710 1A128 01 T1 S1 POWER OFF

(BBV004) ARC 97-710 1A128 01 T1 S1

OPR SRMPR POWER RUDDER

.433 .169 .000 .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

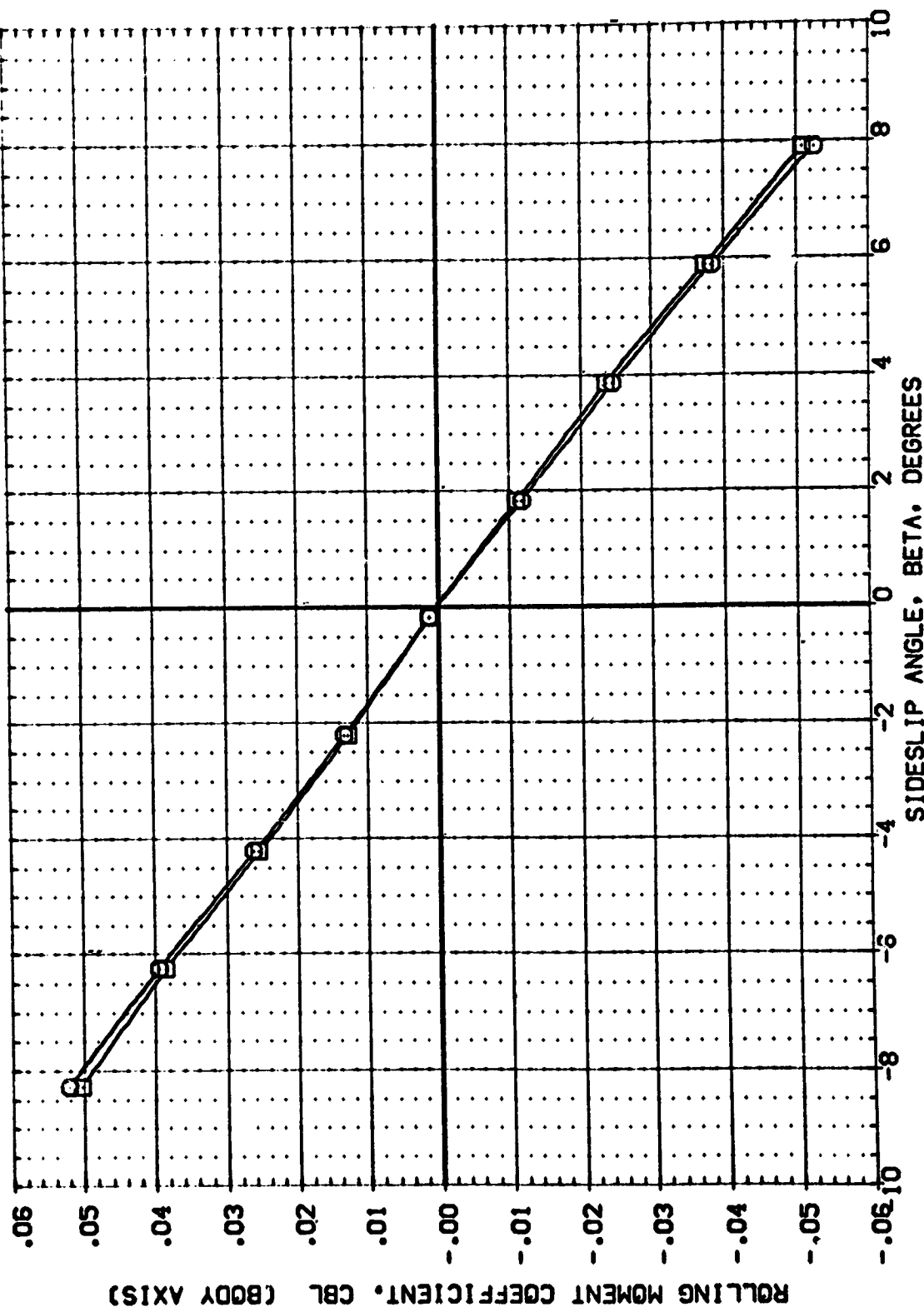
BREF 1328.0000 IN.

XMRP 953.0000 IN.

YMRP .0000 IN.

ZMRP 400.0000 IN.

SCALE .0190

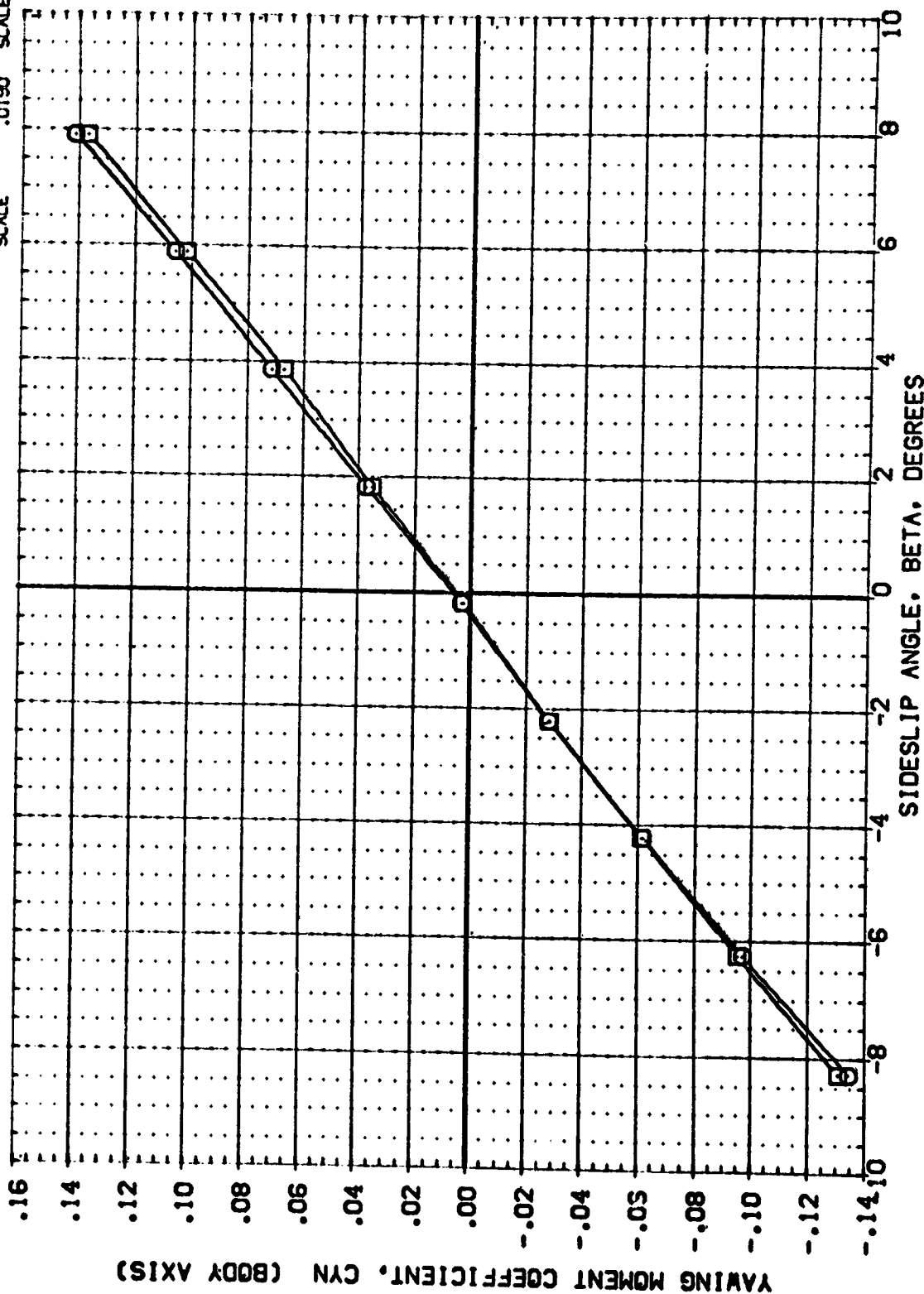


PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL: 9
 CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 01 11 S1 POWER OFF
 ARC 97-710 1A128 01 11 S1

OPR: .433
 SRPR: .469
 POWER: .000
 RUDDER: .000
 REFERENCE INFORMATION:
 SREF: 2690.0000 SQ. FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: .0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL: CONFIGURATION DESCRIPTION: REFERENCE INFORMATION: SQ. FT.

(BBV003) ARC 97-710 [A128 Q1 T1 S1] POWER OFF

(BBV004) []

OPR: .433 SRMPR: .469 POWER: .000 RUDDER: .000

SREF: 2690.0000

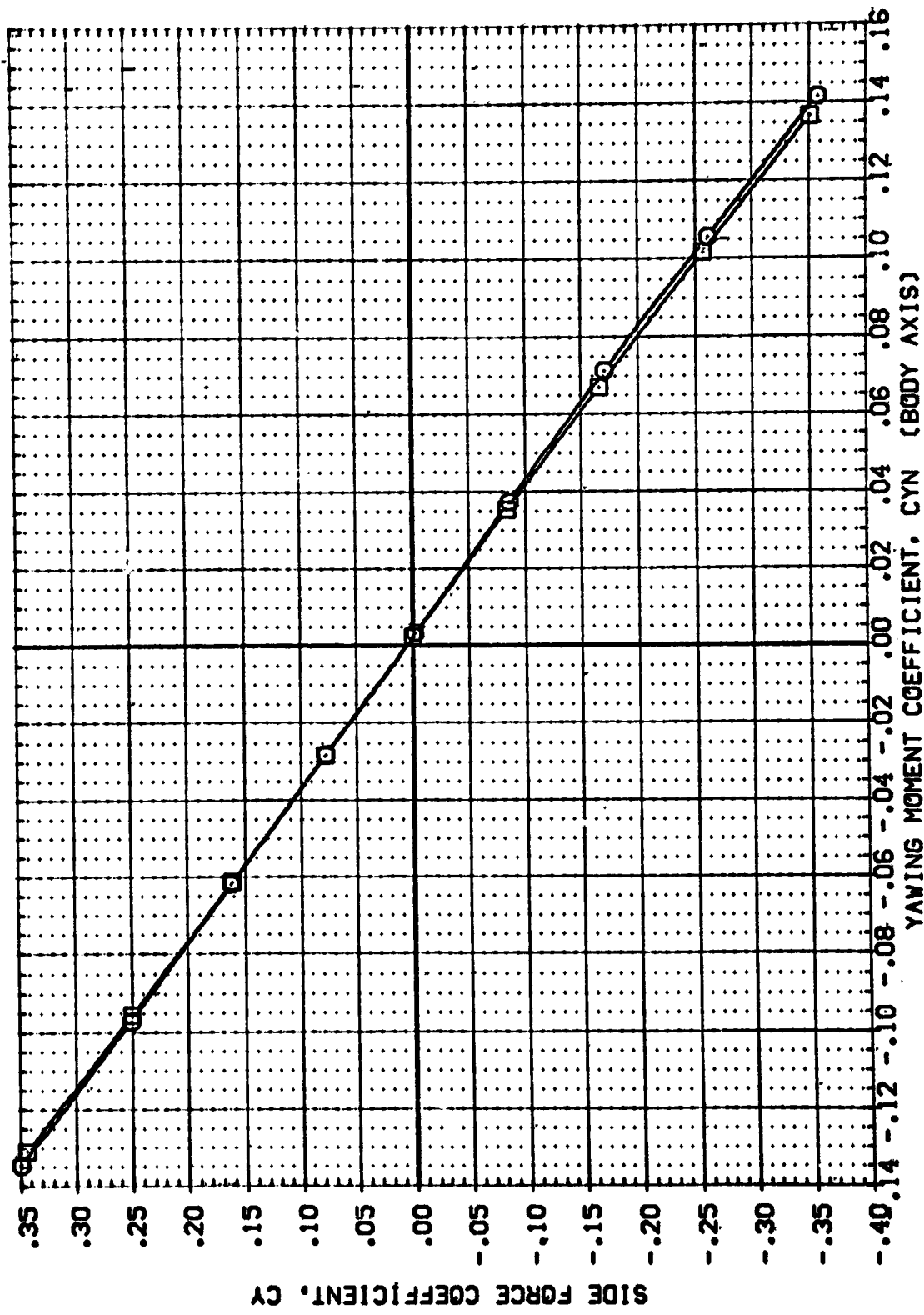
LREF: 1328.0000

BREF: 1328.0000

YMRP: 953.0000

ZMRP: 400.0000

SCALE: .0190

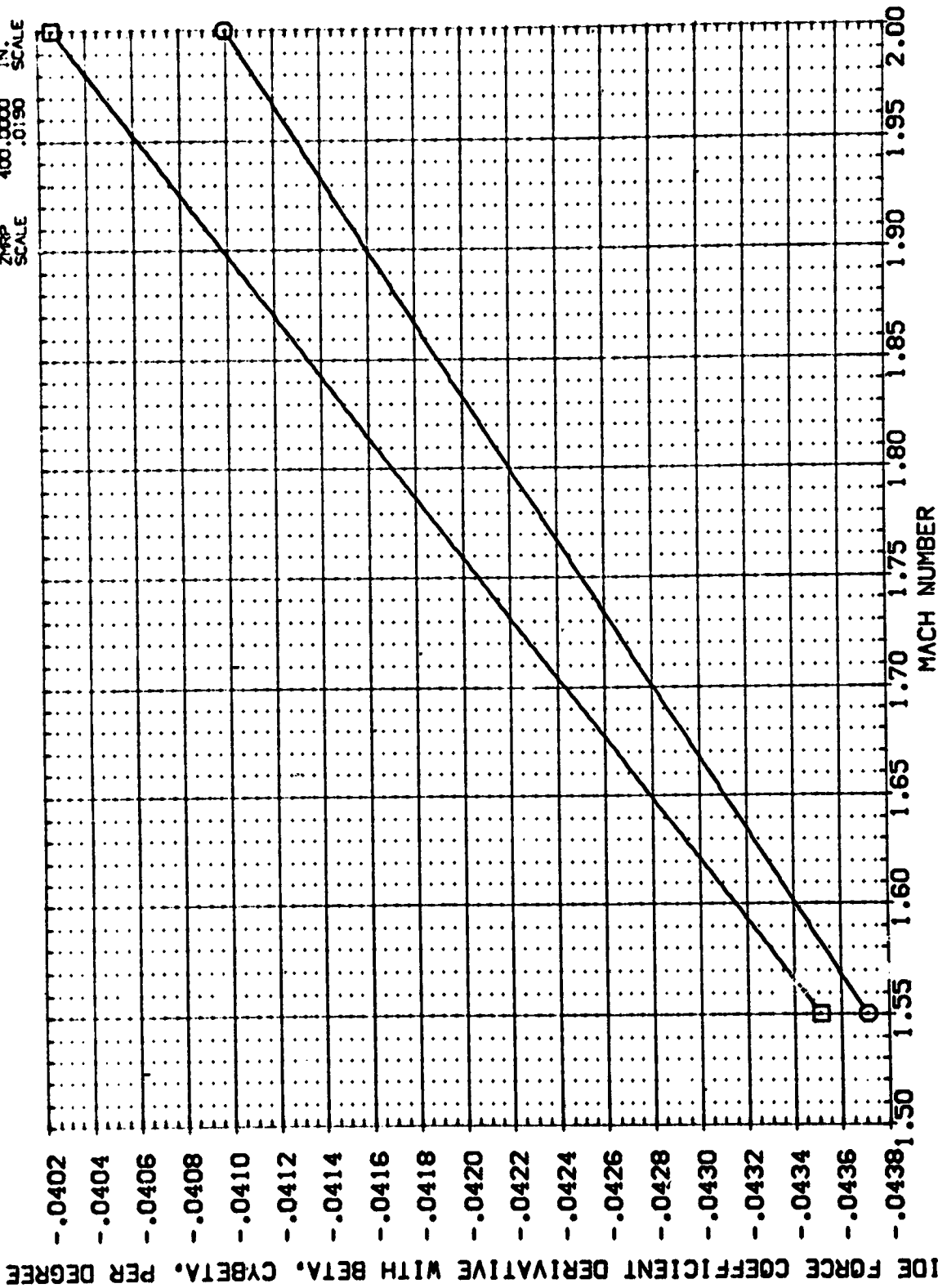


PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL (CONFIGURATION DESCRIPTION)
 (GBV027) □ ARC 97-710 1A128 01 T1 S1 POWER OFF
 (GBV025) □ ARC 97-710 1A128 01 T1 S1 ORB ON:SRPR-NOMINAL

ORR .433 SRPR .169 POWER .000 RUDDER .000
 REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 YMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0150 SCALE

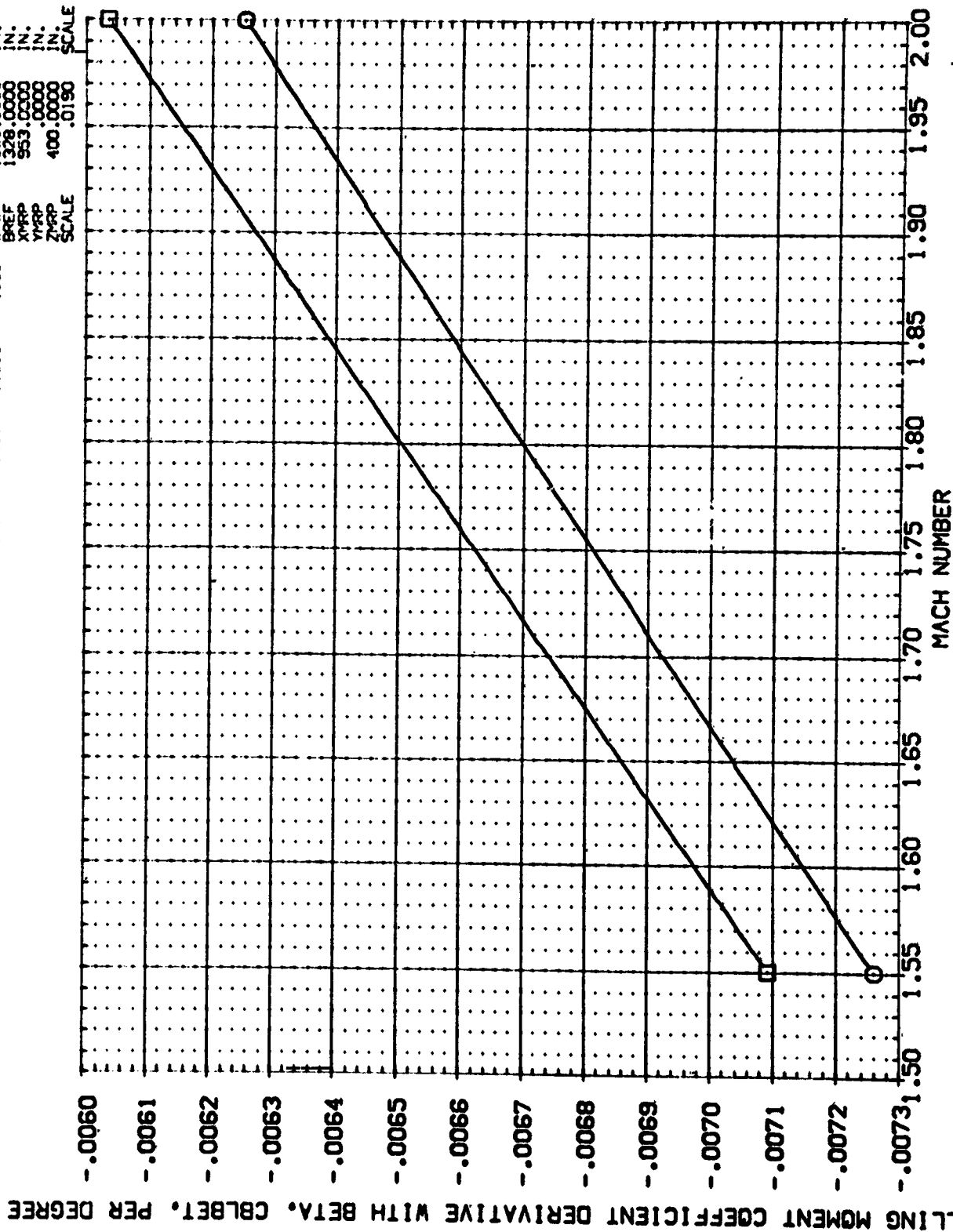


PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (G3V027) ☐ ARC 97-710 1A128 01 T1 S1 POWER OFF
 (G3V025) ☐ ARC 97-710 1A128 01 T1 S1 ORB CN: SMPP-NOMINAL

OPR .433 SMPP .469 POWER .000 RUDDER .000

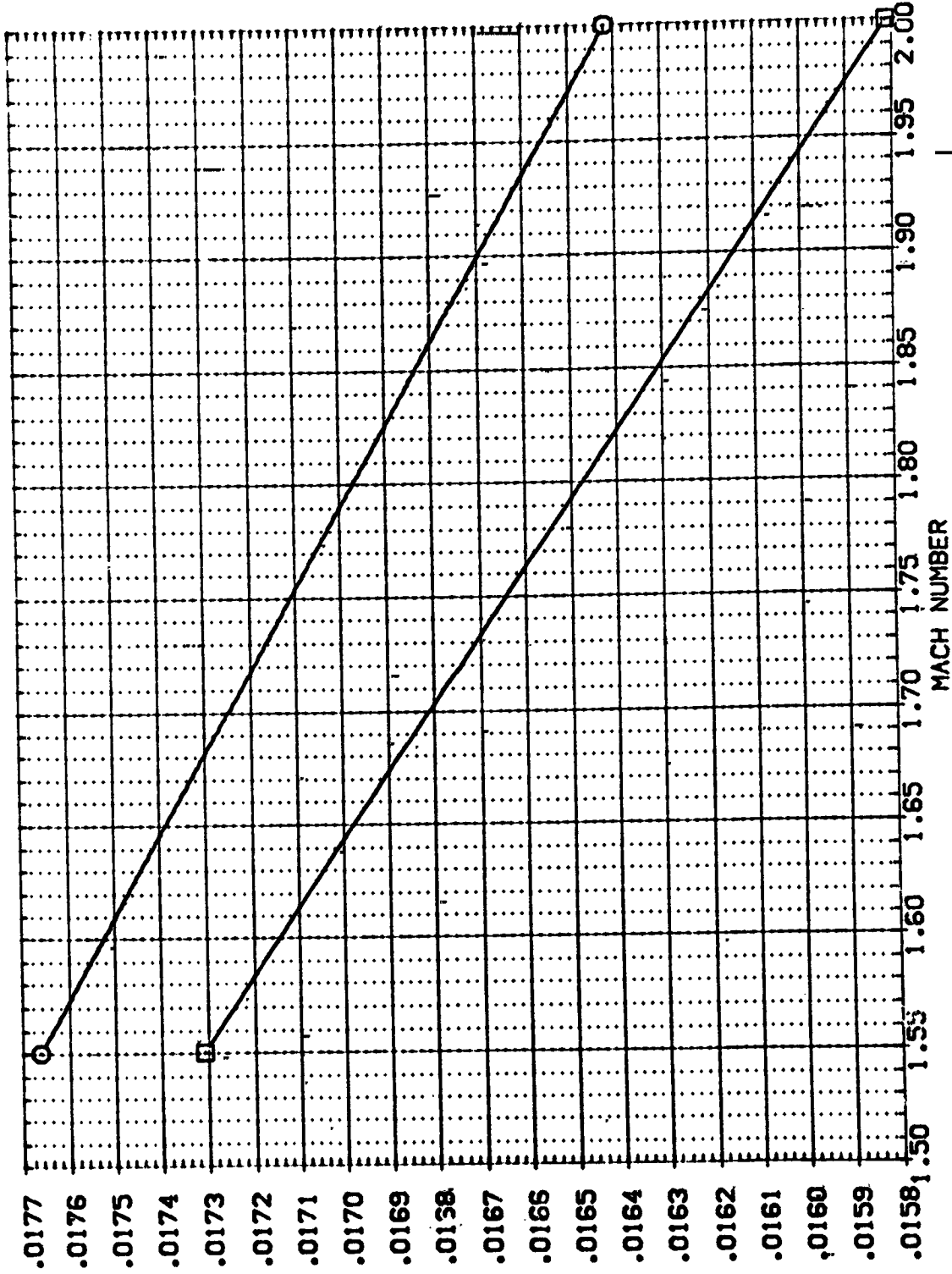
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 VMPP 953.0000 IN.
 ZMPP 400.0000 IN.
 SCALE .0190



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

YAWING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CYNBET, PER DEGREE

DATA SET SYMBOL: [GBV027] [GBV025] CONFIGURATION DESCRIPTION: ARC 97-710 IAI28 01 T1 S1 POWER OFF, ARC 97-710 IAI28 01 T1 S1 ORB ON, SRPR-NOMINAL, DPR: .433, SRPR: .469, POWER: .000, RUDDER: .000, REFERENCE INFORMATION: SREF: 2650.0000 SQ.FT., LREF: 1328.0000, BREF: 1328.0000, XMRP: 953.0000, YMRP: .0000, ZMRP: 400.0000, SCALE: .0190

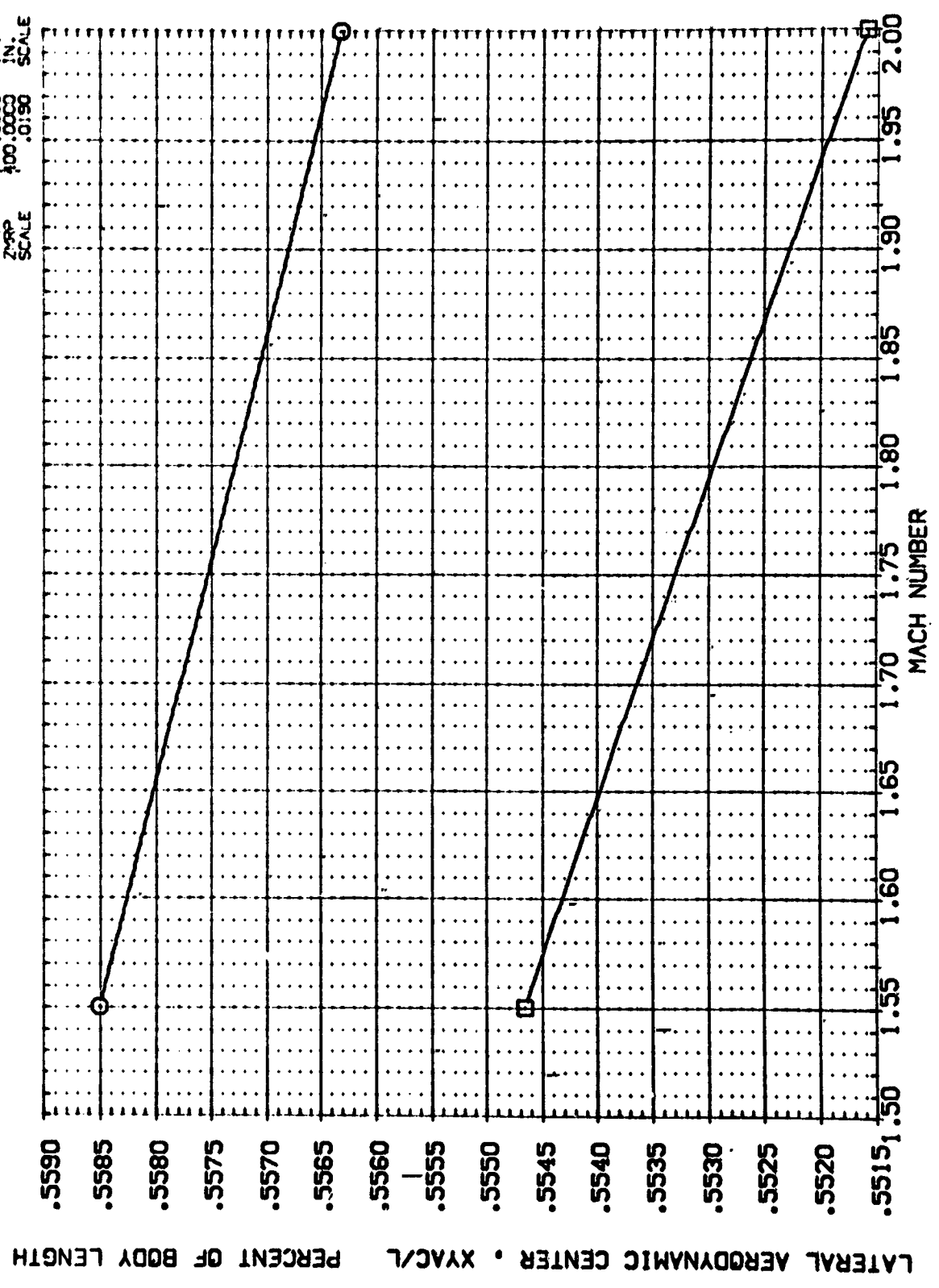


PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL: (GBV027) ☐ (GBV025) ☐ CONFIGURATION DESCRIPTION: ARC 97-710 (A128 C1 T1 S1) POWER OFF; ARC 97-710 (A128 C1 T1 S1) ON CN, SRPR-NOMINAL

OPR: .433 SRPR: .469 POWER: .000 RUDDER: .000

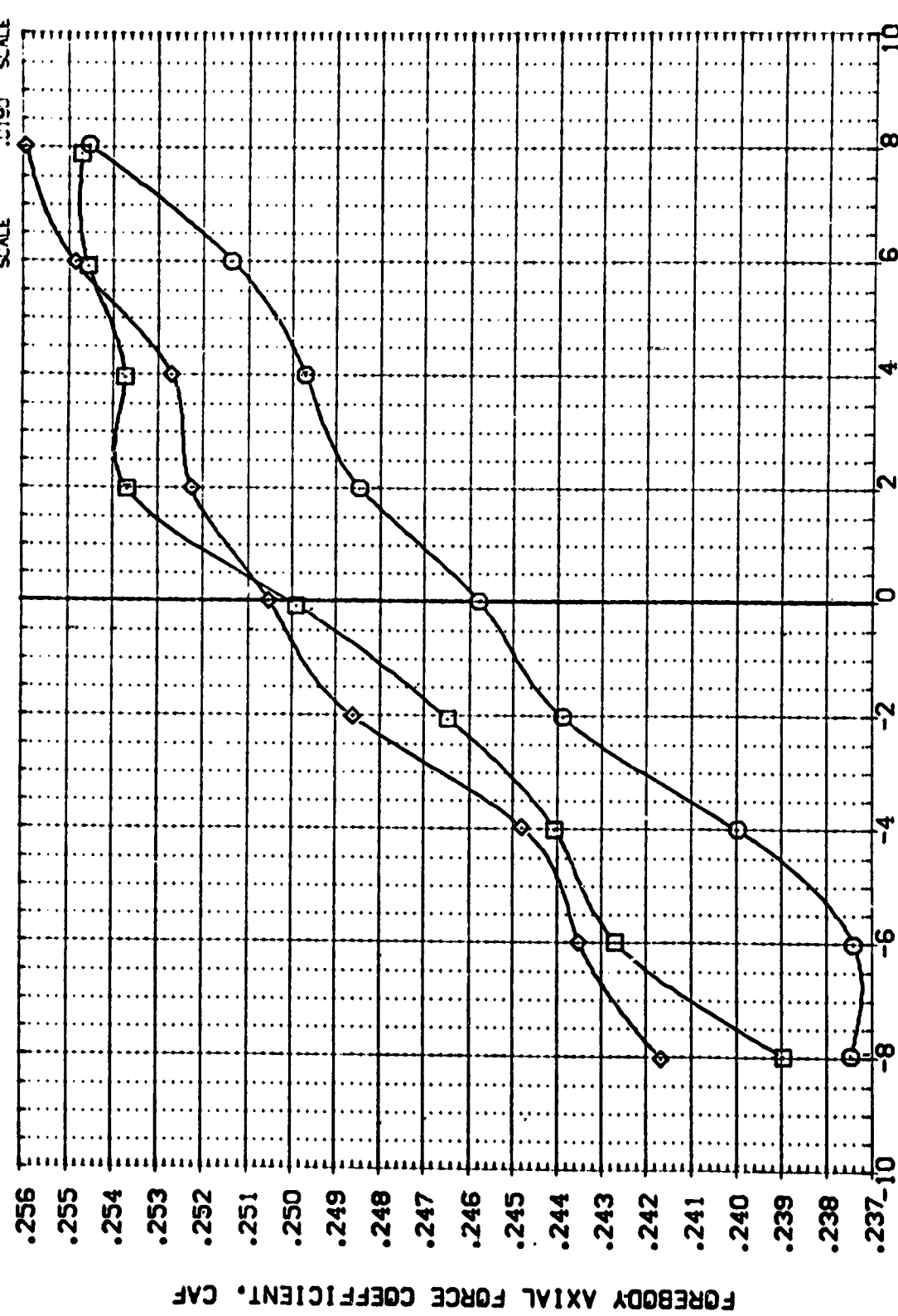
REFERENCE INFORMATION: SREF: 2690.0000 50.FT.; LREF: 1328.0000 IN.; BREF: 1328.0000 IN.; YMRP: 953.0000 IN.; ZMRP: 400.0000 IN.; SCALE: .0190



PLUME SIZE EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

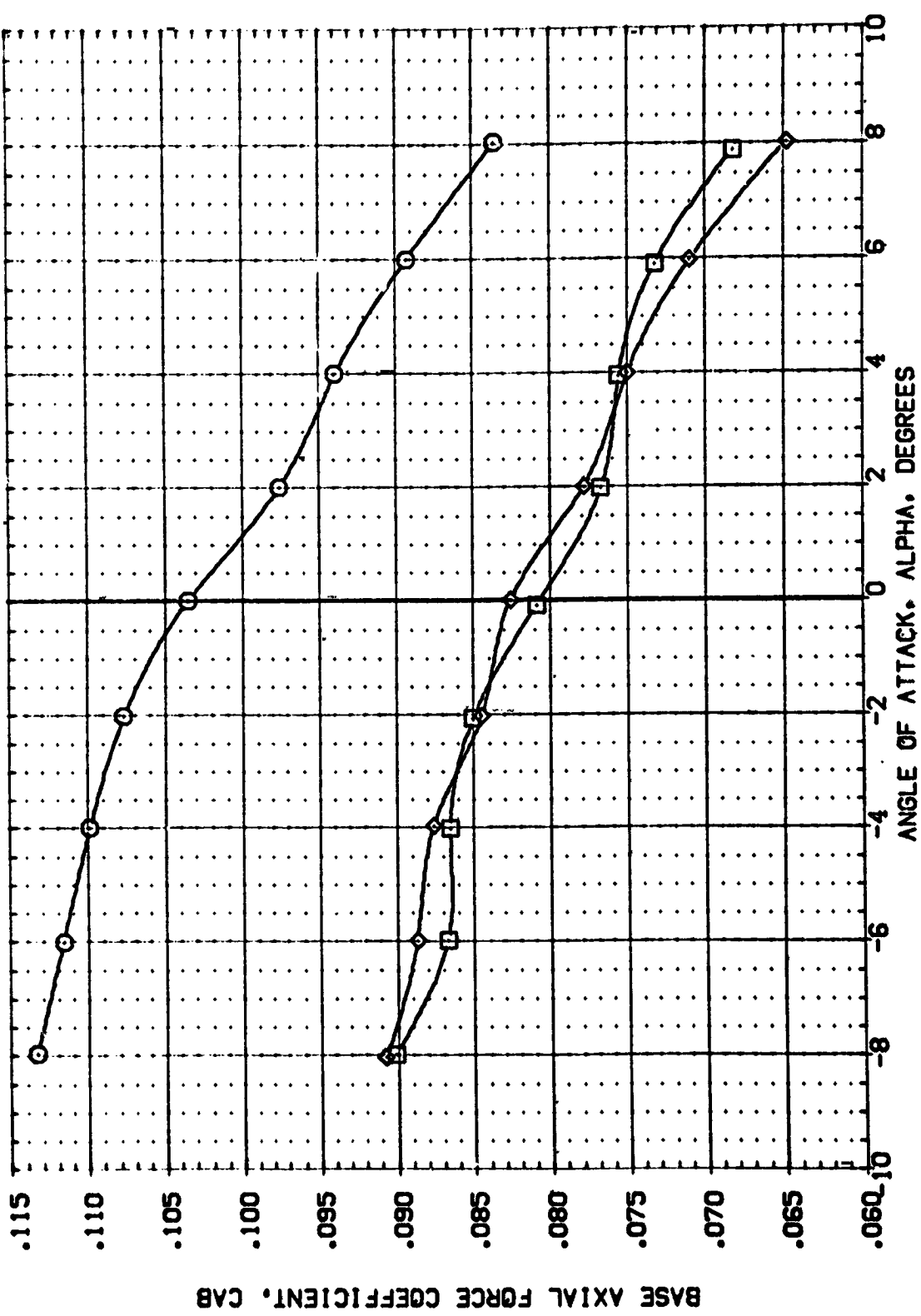
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV22)	ARC 97-710 (A) 28 (0) 1 (1) S1 POWER OFF			.000	.000	SPREF 2690.0000 SO.FT.
(CBV23)	ARC 97-710 (A) 28 (0) 1 (1) S1 DRS ON, SRPR-NOMINAL	.133	.469	1.000	.000	LRREF 1328.0000 IN.
(CBV24)	ARC 97-710 (A) 28 (0) 1 (1) S1 DRS OFF, SRPR-NOMINAL			1.000	.000	BRREF 1328.0000 IN.
						YREF 953.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	QPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV022)	ARC 97-710 [A128 01 T1 S1] POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
(CBV023)	ARC 97-710 [A128 01 T1 S1] DRB ON SRPR-NOMINAL	.433	.469	1.000	.000	LREF 1328.0000 IN.
(CBV024)	ARC 97-710 [A128 01 T1 S1] DRB OFF SRPR-NOMINAL		.469	1.000	.000	BREF 1328.0000 IN.
						XPRP 953.0000 IN.
						YPRP .0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190

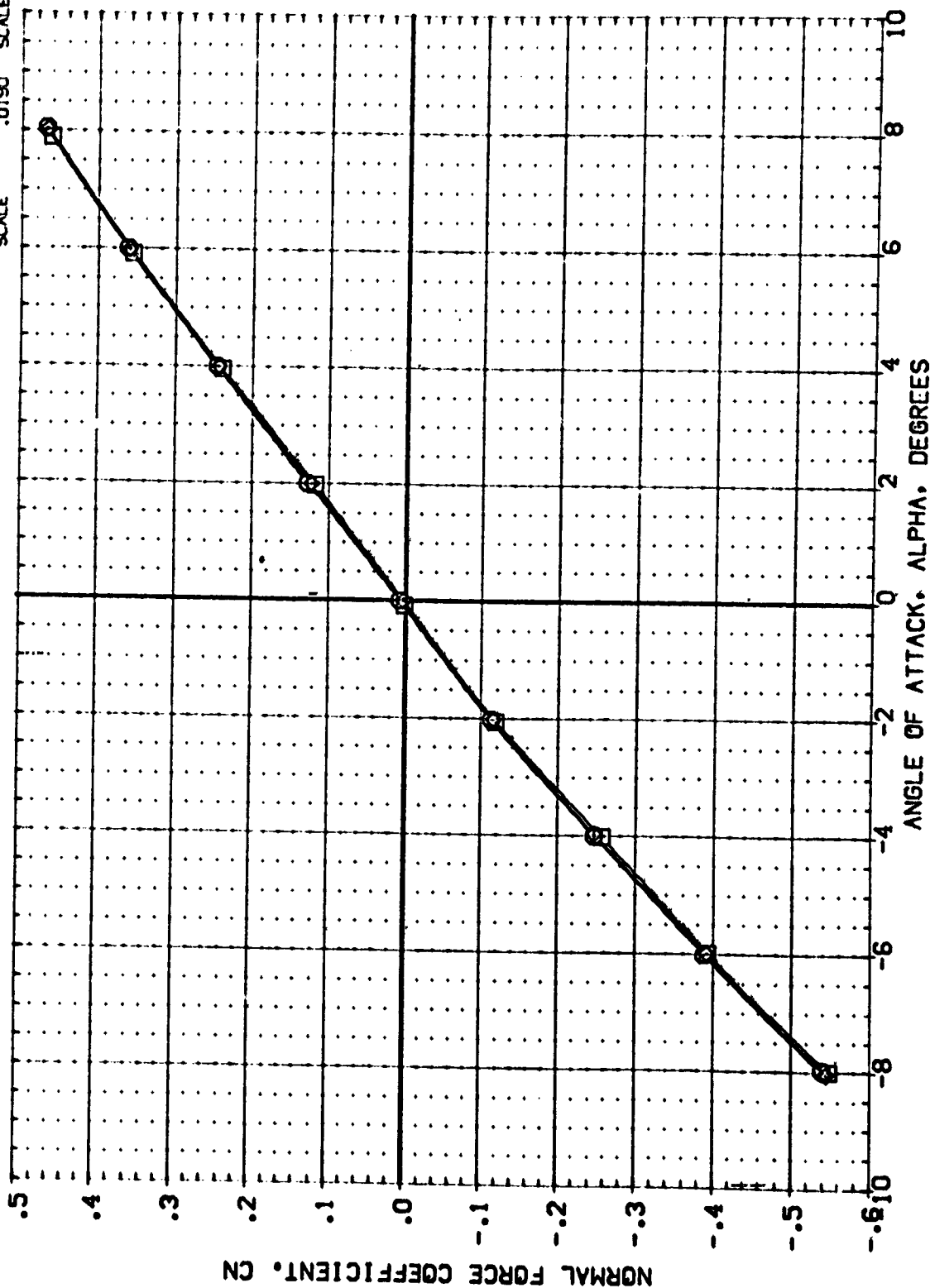


SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

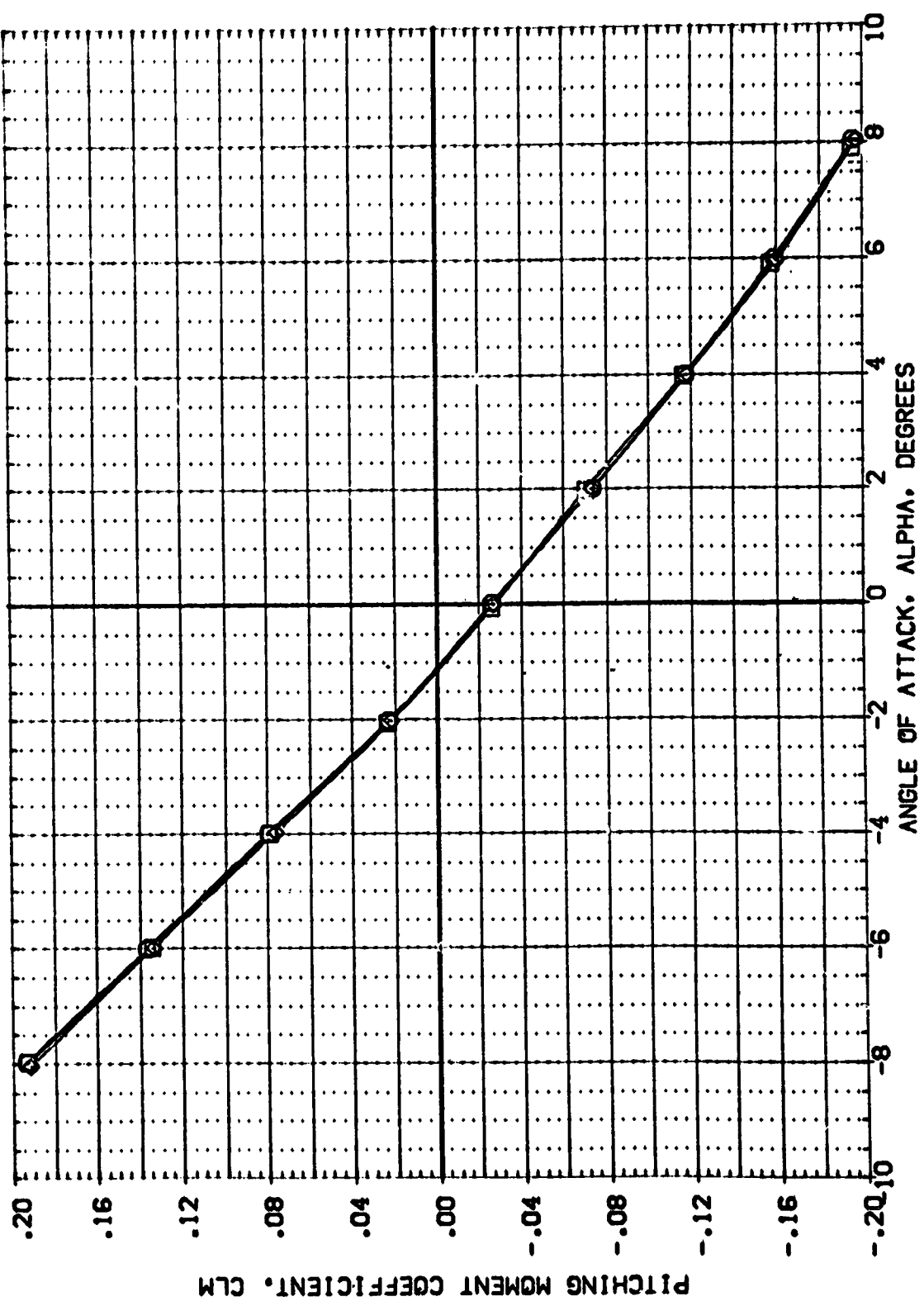
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV022)	ARC 97-710 1A128 01 11 51 POWER OFF					SREF 2690.0000 SQ.FT.
(CBV023)	ARC 97-710 1A128 01 11 51 OPR ON SRMPR-NOMINAL	.433	.469	.000	.000	LREF 1328.0000 IN.
(CBV024)	ARC 97-710 1A128 01 11 51 OPR OFF SRMPR-NOMINAL	.469	1.000	.000	.000	BREF 1328.0000 IN.
						VMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DRR	SRMPR	POWER	RUDER	REFERENCE INFORMATION
(CBV022)	ARC 97-710 1A128 01 11 SI POWER OFF			.000	.000	SREF 2690.0000 SO.FT.
(CBV023)	ARC 97-710 1A128 01 11 SI DRB ON, SRMPR-NOMINAL	.433	.469	1.000	.000	LREF 1378.0000 IN.
(CBV024)	ARC 97-710 1A128 01 11 SI DRB OFF, SRMPR-NOMINAL		.469	1.000	.000	BREF 1323.0000 IN.
						XMRP 553.0000 IN.
						YMRP 400.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190 SCALE



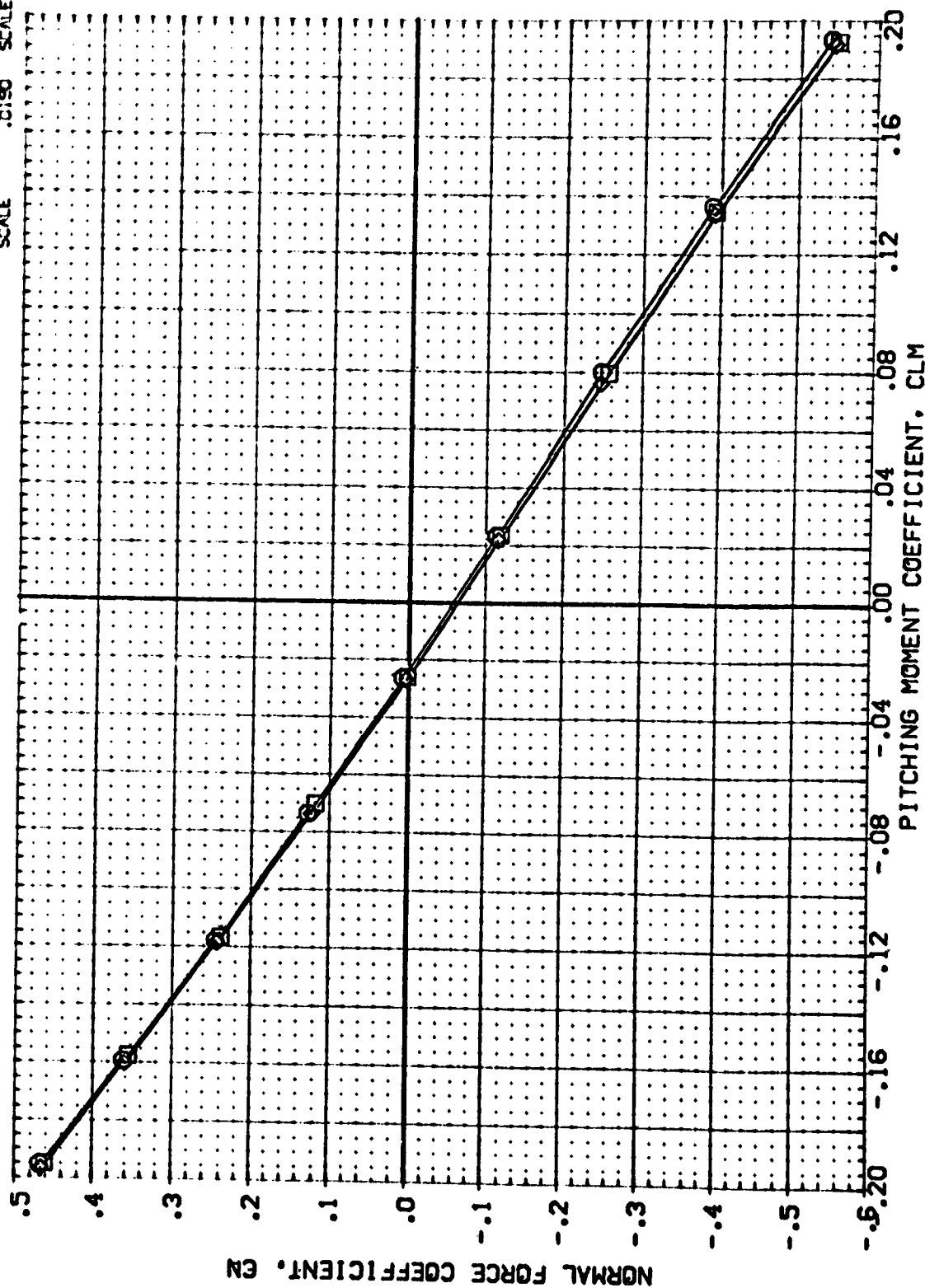
SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CBV022) ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 (CBV023) ARC 97-710 [A] 28 01 T1 S1 ORB ON, SRPR-NOMINAL
 (CBV024) ARC 97-710 [A] 28 01 T1 S1 ORB OFF, SRPR-NOMINAL

OPR .433
 SRPR .469
 POWER .000
 RUDER .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 0.0000 IN.
 SCALE .0190

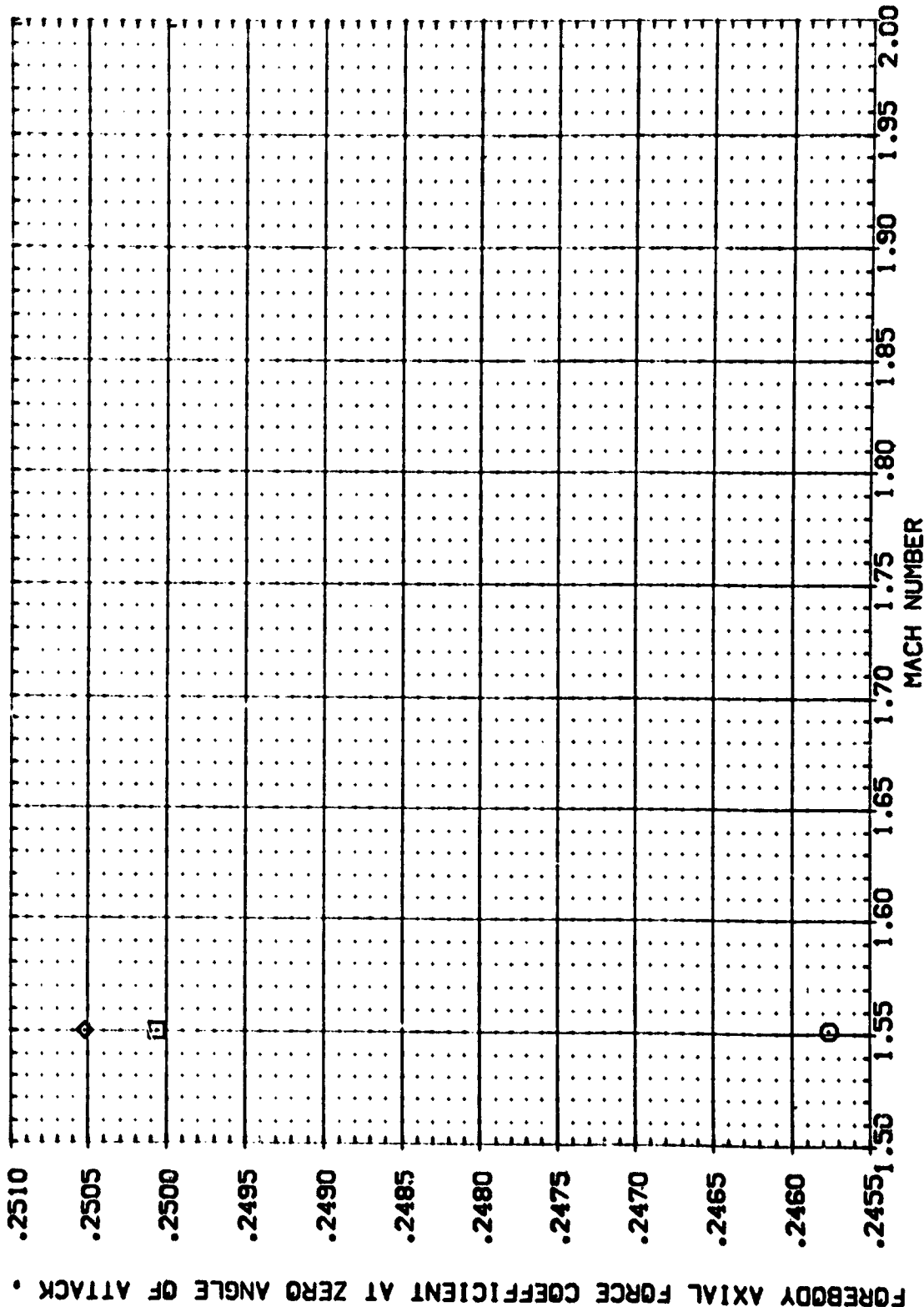


PITCHING MOMENT COEFFICIENT, CLM

SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

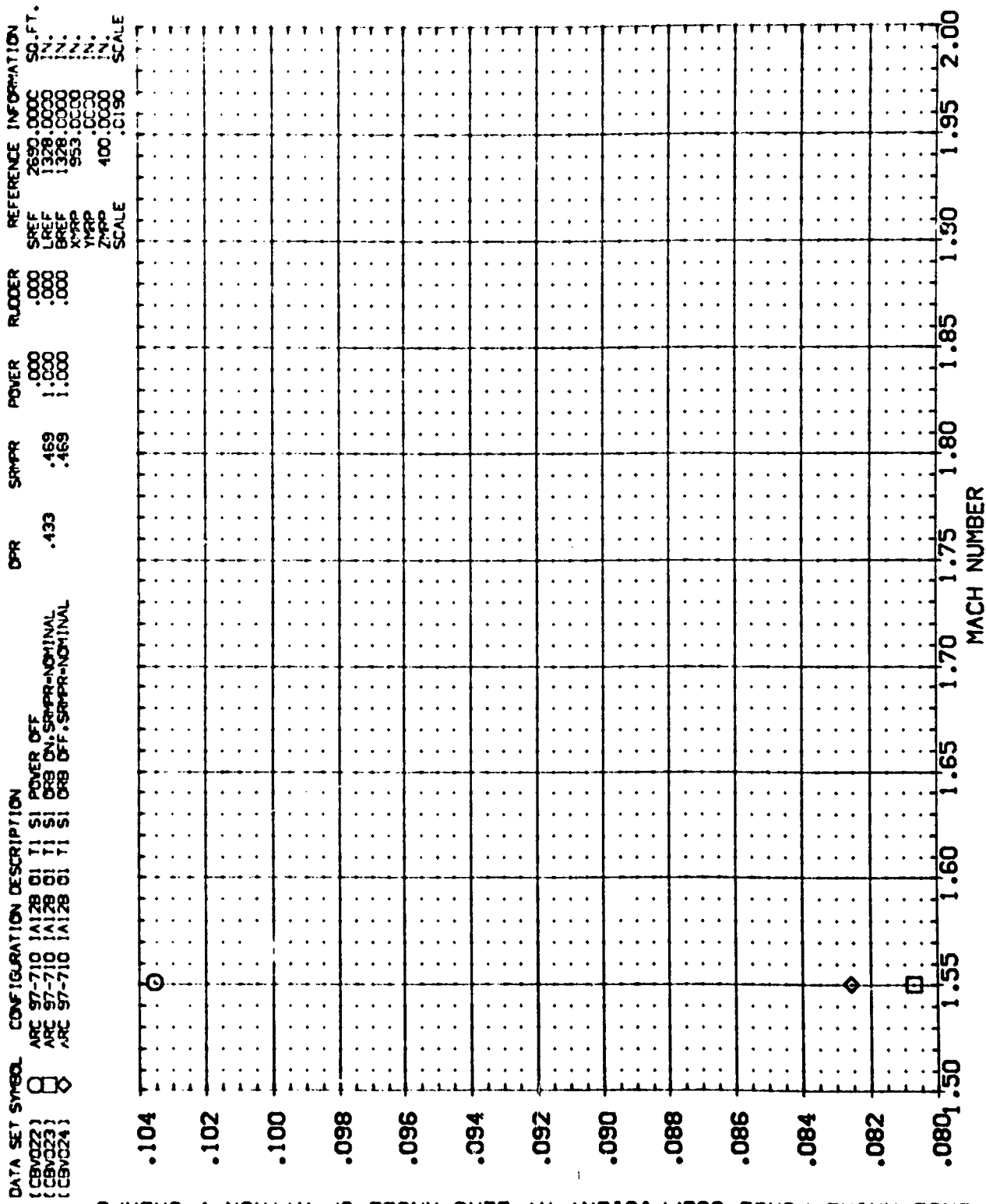
(A)MACH = 1.55

DATA SET SYMBOL: CONFIGURATION DESCRIPTION: POWER OFF: SRPR: POWER: RUDDER: REFERENCE INFORMATION: SQ.FT.
 (CBV022) ARC 97-710 (A128 01 T1 S1 088 ON SRPR-NOMINAL .433 .469 .000 SREF 2690.0000 IN.
 (CBV023) ARC 97-710 (A128 01 T1 S1 088 ON SRPR-NOMINAL .433 .469 .000 LREF 1328.0000 IN.
 (CBV024) ARC 97-710 (A128 01 T1 S1 088 OFF SRPR-NOMINAL .433 .469 .000 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP .0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

BASE AXIAL FORCE COEFFICIENT AT ZERO ANGLE OF ATTACK • CABAFO



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: ☐ (CBV022) ☐ (CBV023) ☒ (CBV024)

CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 DRB ON, SRMPR-NOMINAL
 ARC 97-710 1A128 01 T1 S1 DRB OFF, SRMPR-NOMINAL

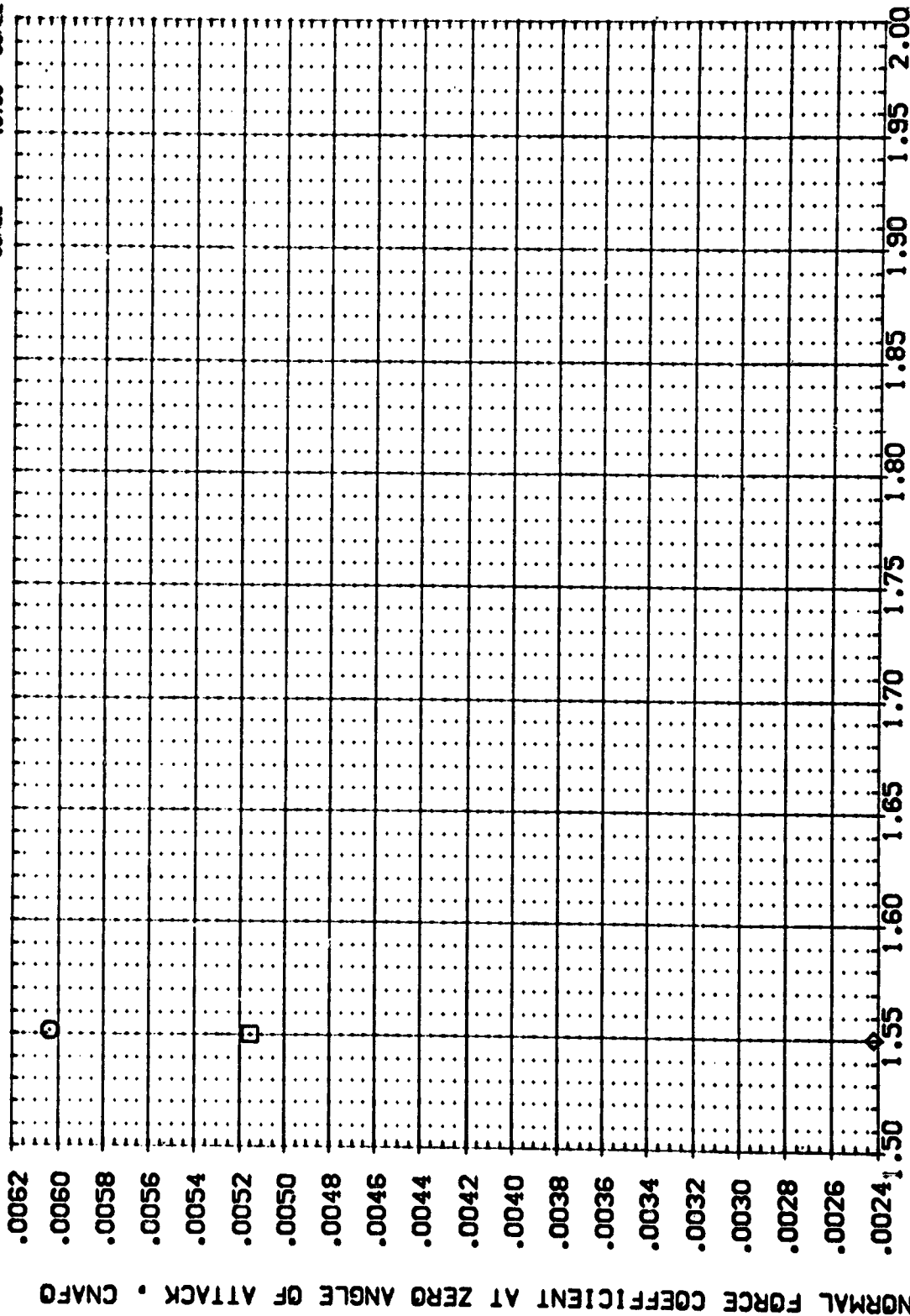
DPR: .433

SRMPR: .169
.169

POWER: .000
1.000
1.000

RUDDER: .000
.000
.000

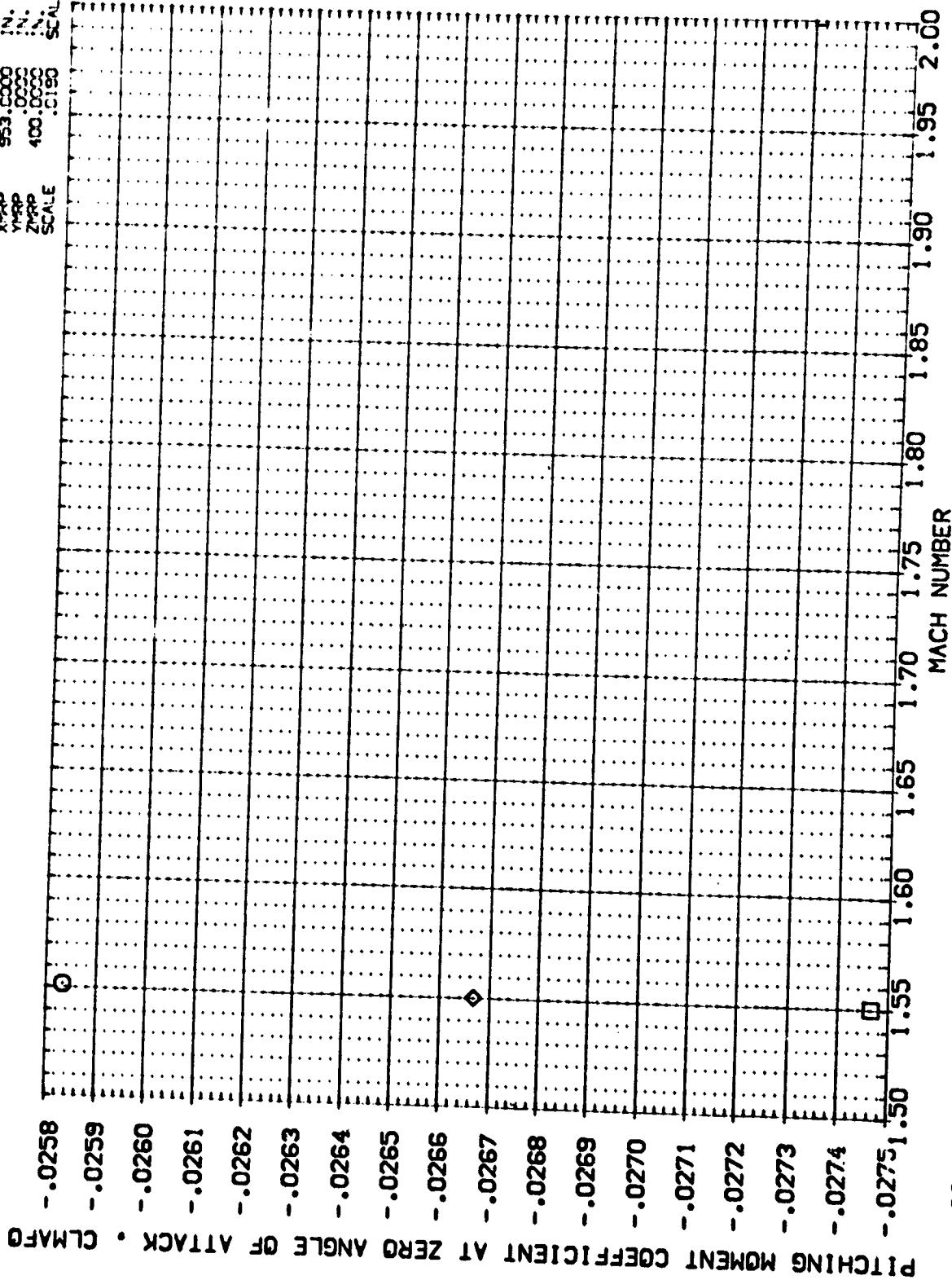
REFERENCE INFORMATION:
 SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: 0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0150



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SMPR	POWER	RUDDER	REFERENCE INFORMATION
{CBV022}	ARC 97-710 [A]28 01 T1 S1 POWER OFF	.433	.469	.000	.000	SREF 2690.0000 SQ:FT.
{CBV023}	ARC 97-710 [A]28 01 T1 S1 CRB ON, SMPR-NOMINAL			1.000	.000	LREF 1328.0000 IN.
{CBV024}	ARC 97-710 [A]28 01 T1 S1 CRB OFF, SMPR-NOMINAL			1.000	.000	BREF 1328.0000 IN.
						XMRP 953.0000 IN.
						YMRP .0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190 SCALE



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: [CBV022] [CBV023] [CBV024]

CONFIGURATION DESCRIPTION: ARC 97-710 IAI28 01 T1 S1 POWER OFF
 ARC 97-710 IAI28 01 T1 S1 ORB ON: SM-PR-NOMINAL
 ARC 97-710 IAI28 01 T1 S1 ORB OFF: SM-PR-NOMINAL

OPR: .433

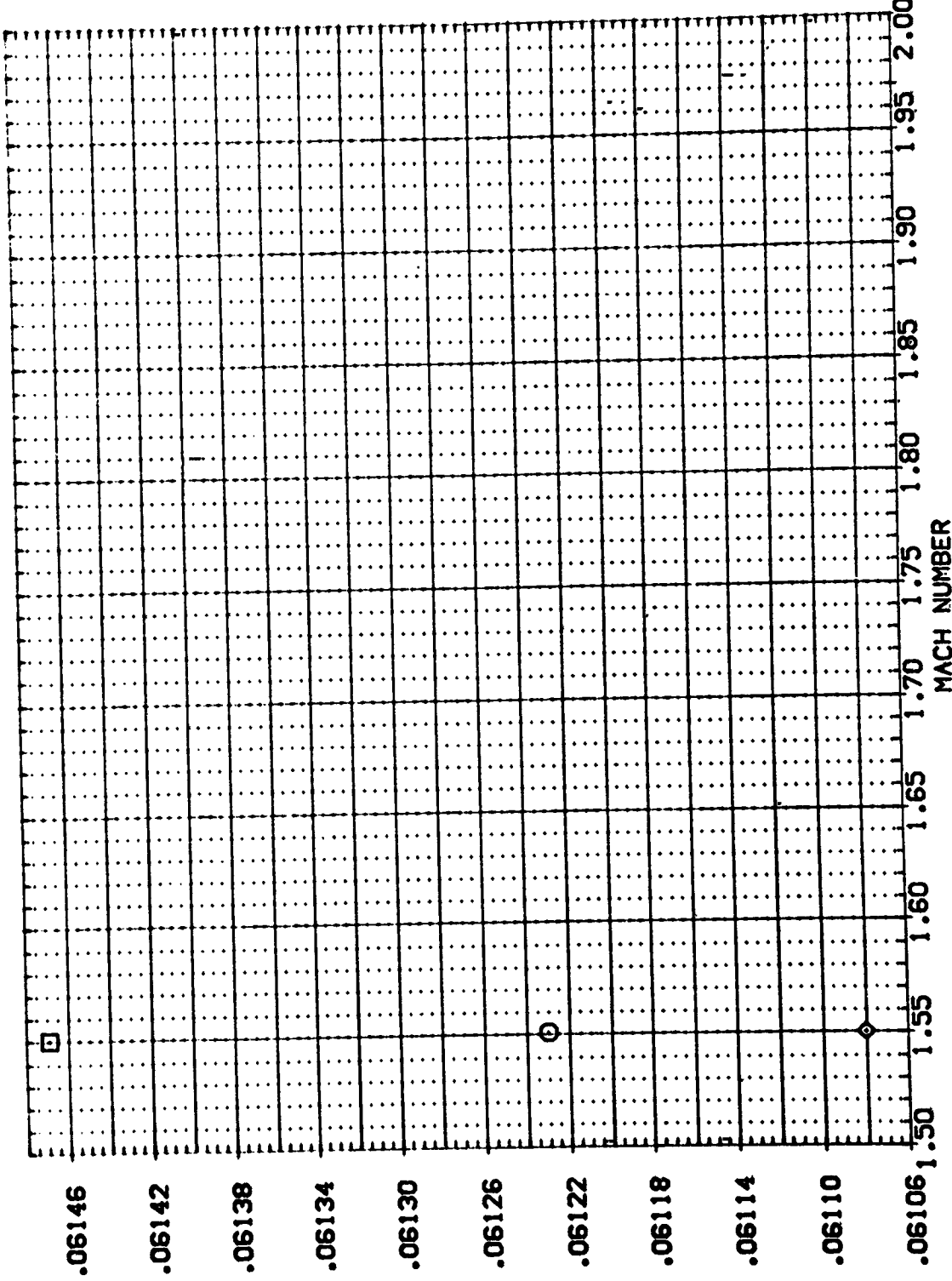
SM-PR: .469

POWER: .000
 .000
 1.000
 1.000

RUDER: .000
 .000
 .000

REFERENCE INFORMATION: SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 YMRP 953.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190

NORMAL FORCE COEFFICIENT DERIVATIVE WITH ALPHA, CNALFA, PER DEGREE



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: (CBV022) (CBV023) (CBV024)

CONFIGURATION DESCRIPTION: ARC 97-710 1A128 01 11 S1 POWER OFF; ARC 97-710 1A128 01 11 S1 ORB ON; SRPR-NOMINAL; ARC 97-710 1A128 01 11 S1 ORB OFF; SRPR-NOMINAL

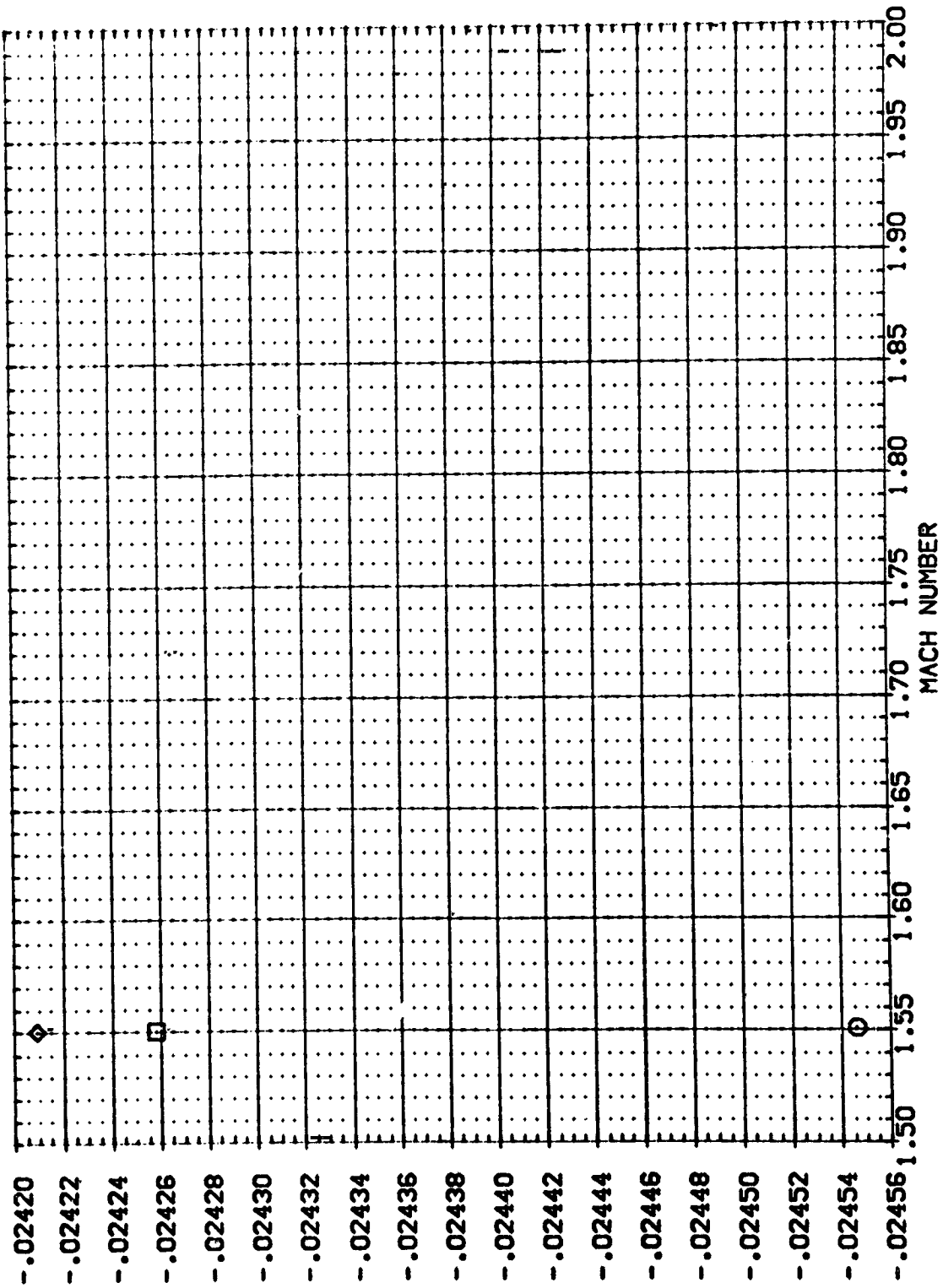
OPR: .433

SRPR: .469

POWER: .000, 1.000, 1.000

RUDDER: .000, .000, .000

REFERENCE INFORMATION: SREF 2690.0000 SQ.FT.; LREF 1328.0000 IN.; BREF 1328.0000 IN.; XPRP 553.0000 IN.; YPRP 400.0000 IN.; ZPRP 0150 IN.; SCALE



SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[CBV022] ARC 97-710 I A128 Q1 T1 S1 POWER OFF

[CBV023] ARC 97-710 I A128 Q1 T1 S1 CRB ON, SRPR-NOMINAL

[CBV024] ARC 97-710 I A128 Q1 T1 S1 CRB OFF, SRPR-NOMINAL

OPR SRPR POWER RUDDER REFERENCE INFORMATION

.433 .469 .000 .000 SREF 2690.0000 SQ. FT.

.469 .000 .000 .000 LREF 1328.0000 IN.

.000 .000 .000 .000 BREF 1328.0000 IN.

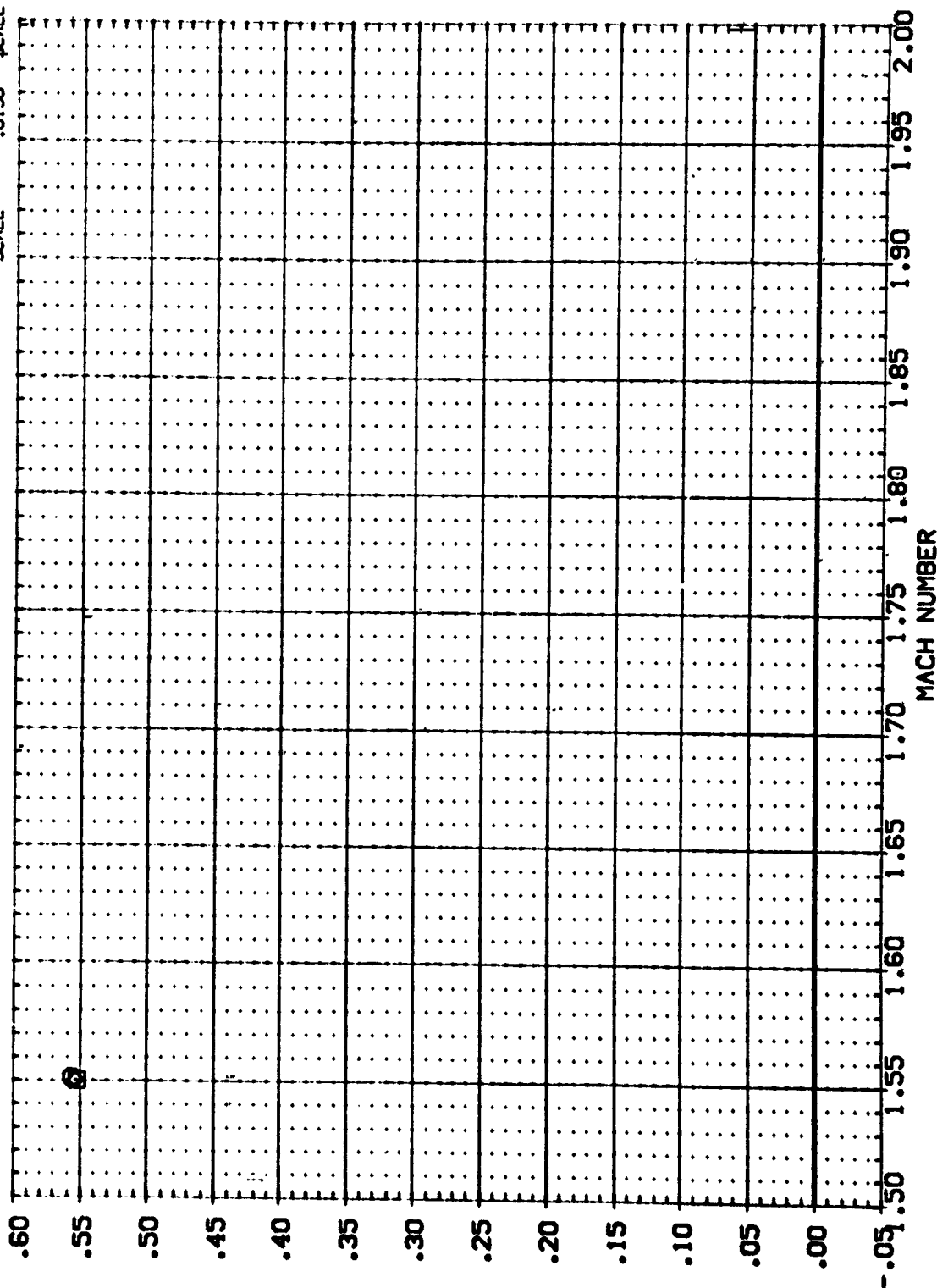
.000 .000 .000 .000 XMRP 553.0000 IN.

.000 .000 .000 .000 YMRP 400.0000 IN.

.000 .000 .000 .000 ZMRP 400.0000 IN.

SCALE .0190

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH



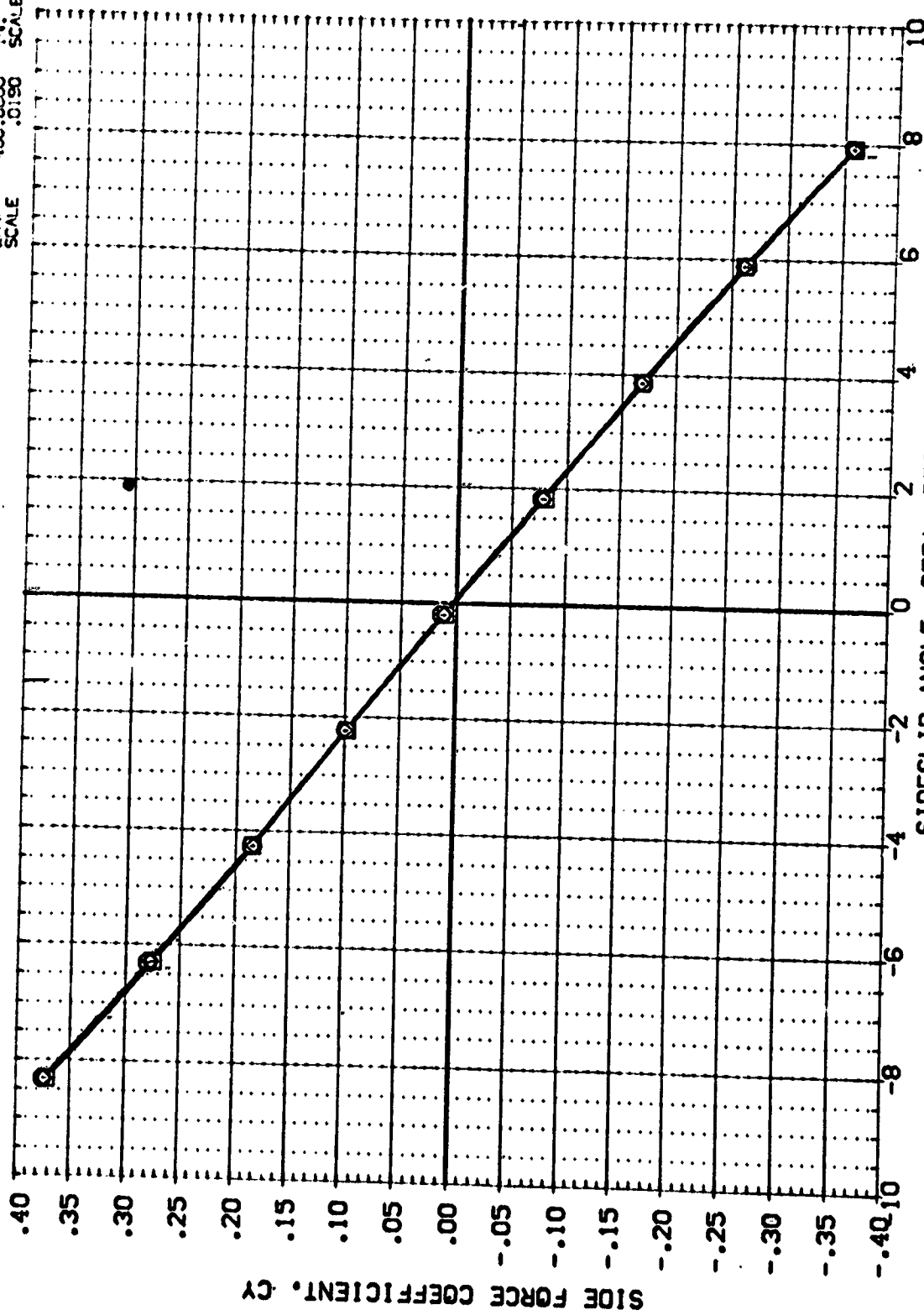
SSME ENGINE-OUT EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV027) ARC 97-710 1A128 01 T1 S1 POWER OFF
 (BBV025) ARC 97-710 1A128 01 T1 S1 DRB ON, SRPR-NOMINAL
 (BBV026) ARC 97-710 1A128 01 T1 S1 DRB OFF, SRPR-NOMINAL

OPR SRPR POWER M_ODDER

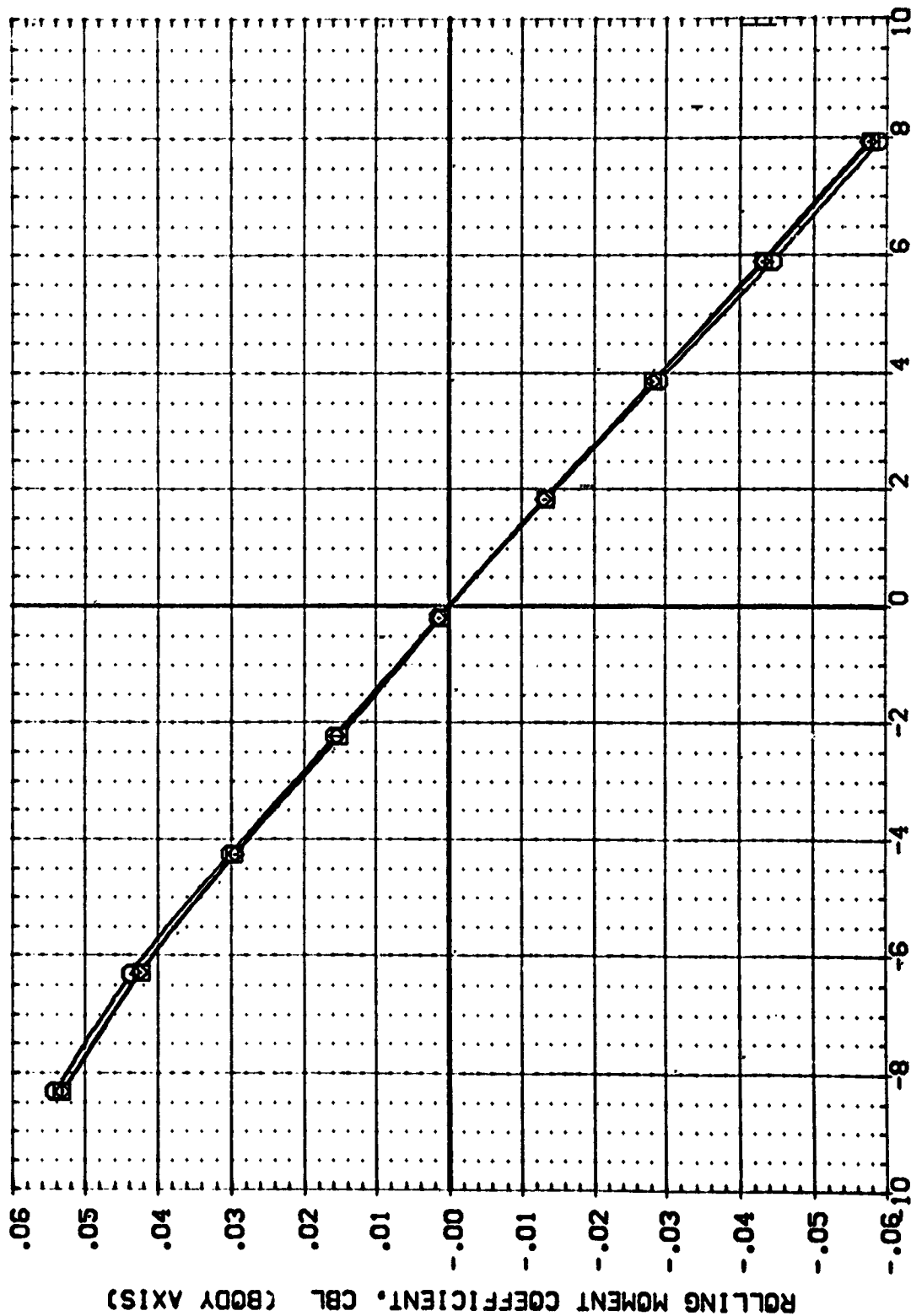
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0150 SCALE



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(BBV027)	ARC 97-710 (A) 28 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SO.FT.
(BBV025)	ARC 97-710 (A) 28 01 T1 S1 0.8 ON, SRPR-NOMINAL	.433	.469	1.000	.000	LREF 1328.0000 IN.
(BBV026)	ARC 97-710 (A) 28 01 T1 S1 0.8 OFF, SRPR-NOMINAL		.469	1.000	.000	BREF 1328.0000 IN.
						YMRP .0000 IN.
						ZMRP .0000 IN.
						SCALE .0190 SCALE



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {BBV027} ARC 97-710 [A128 01 1] S1 POWER OFF
 {BBV025} ARC 97-710 [A128 01 1] S1 CRB ON: SRRP-NOMINAL
 {BBV026} ARC 97-710 [A128 01 1] S1 CRB OFF: SRRP-NOMINAL

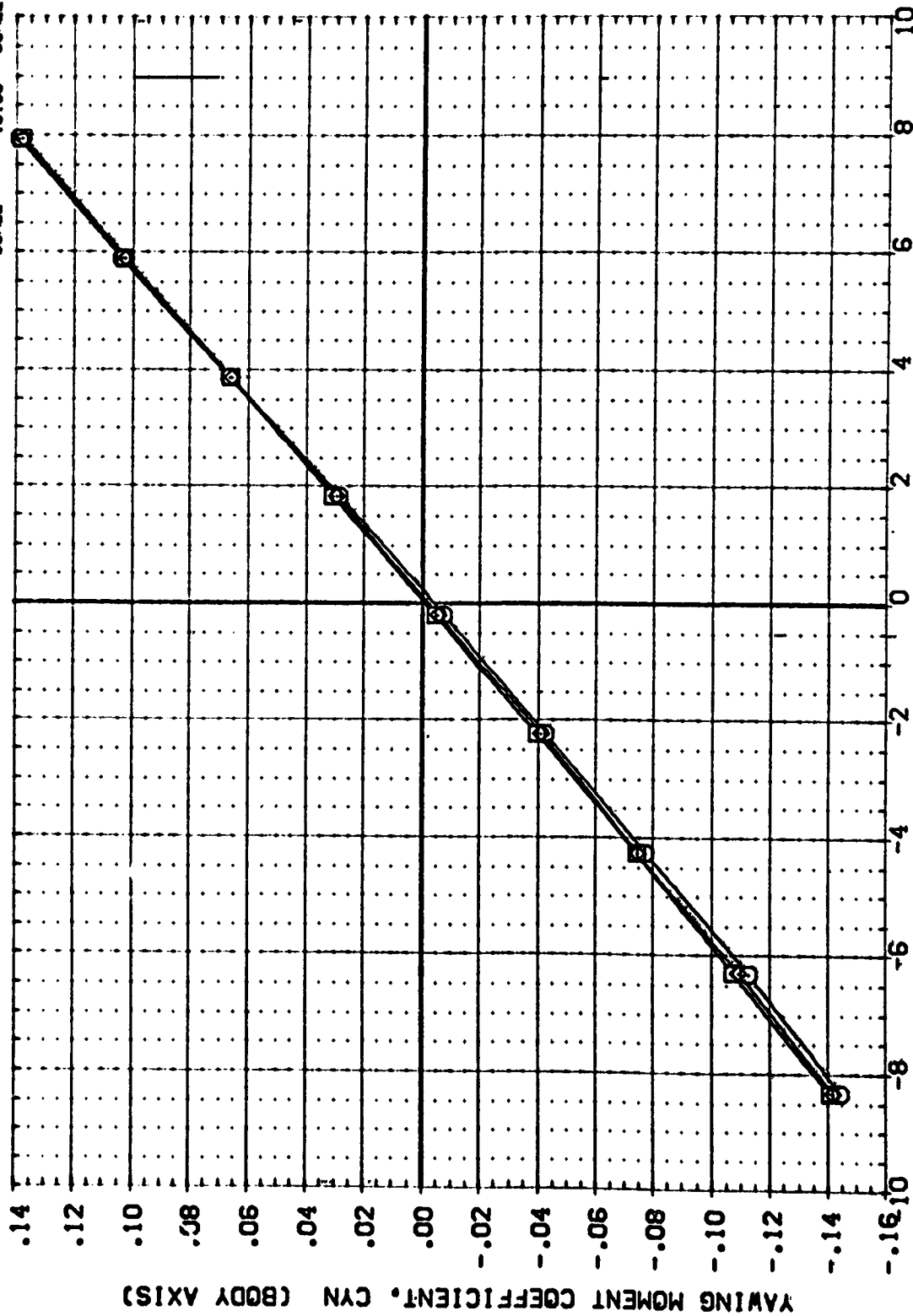
OPR .433

SRRP .469

POWER .000

RUDDER .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE



SIDESLIP ANGLE, BETA, DEGREES

SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL: (88V027) (88V025) (88V026)

CONFIGURATION DESCRIPTION: ARC 97-710 AI128 01 TI SI POWER OFF
 ARC 97-710 AI128 01 TI SI DRB ON: SRPR-NOMINAL
 ARC 97-710 AI128 01 TI SI DRB OFF: SRPR-NOMINAL

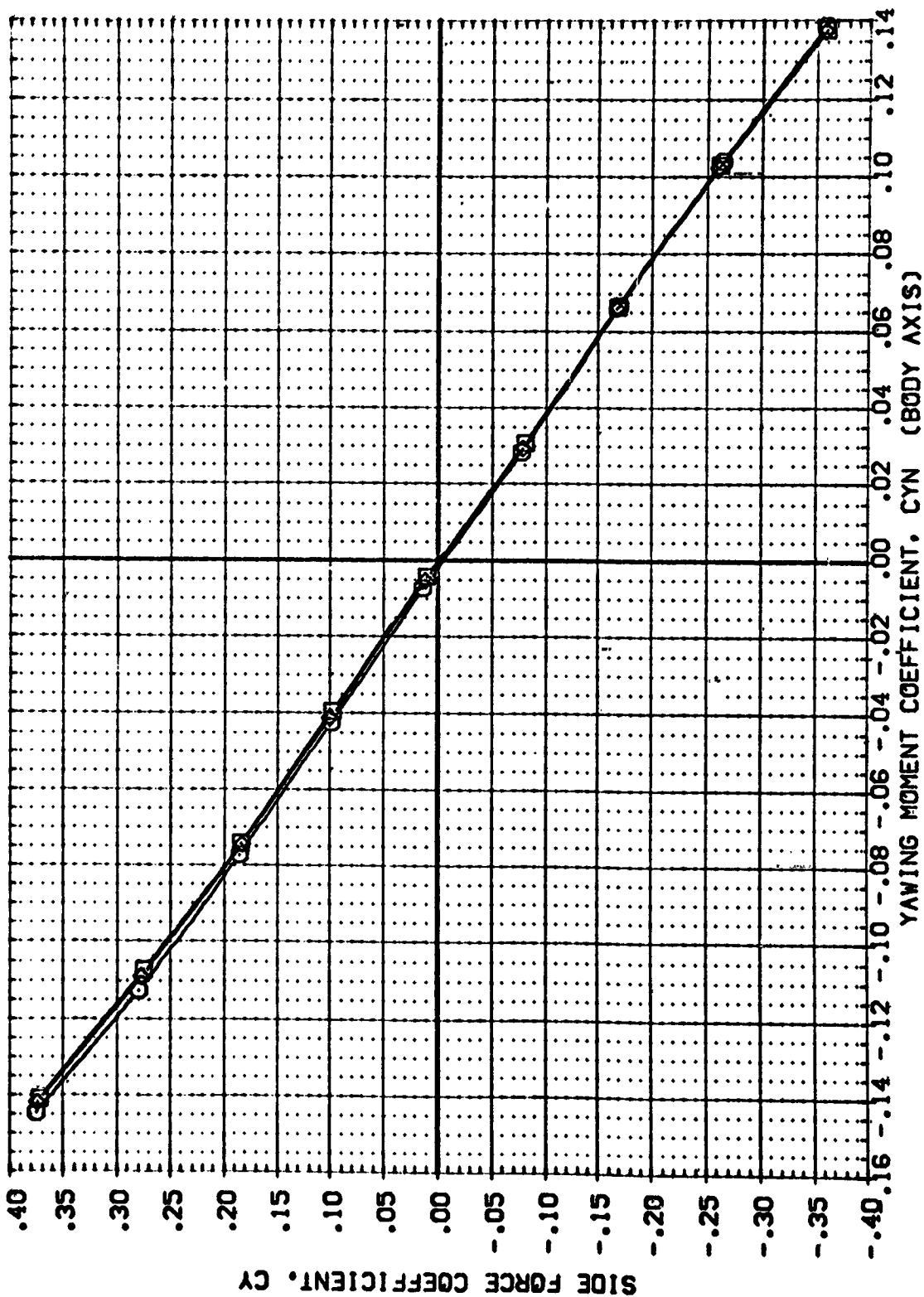
OPR: .433

SRPR: .469

POWER: .000

RUDDER: .000

REFERENCE INFORMATION: SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

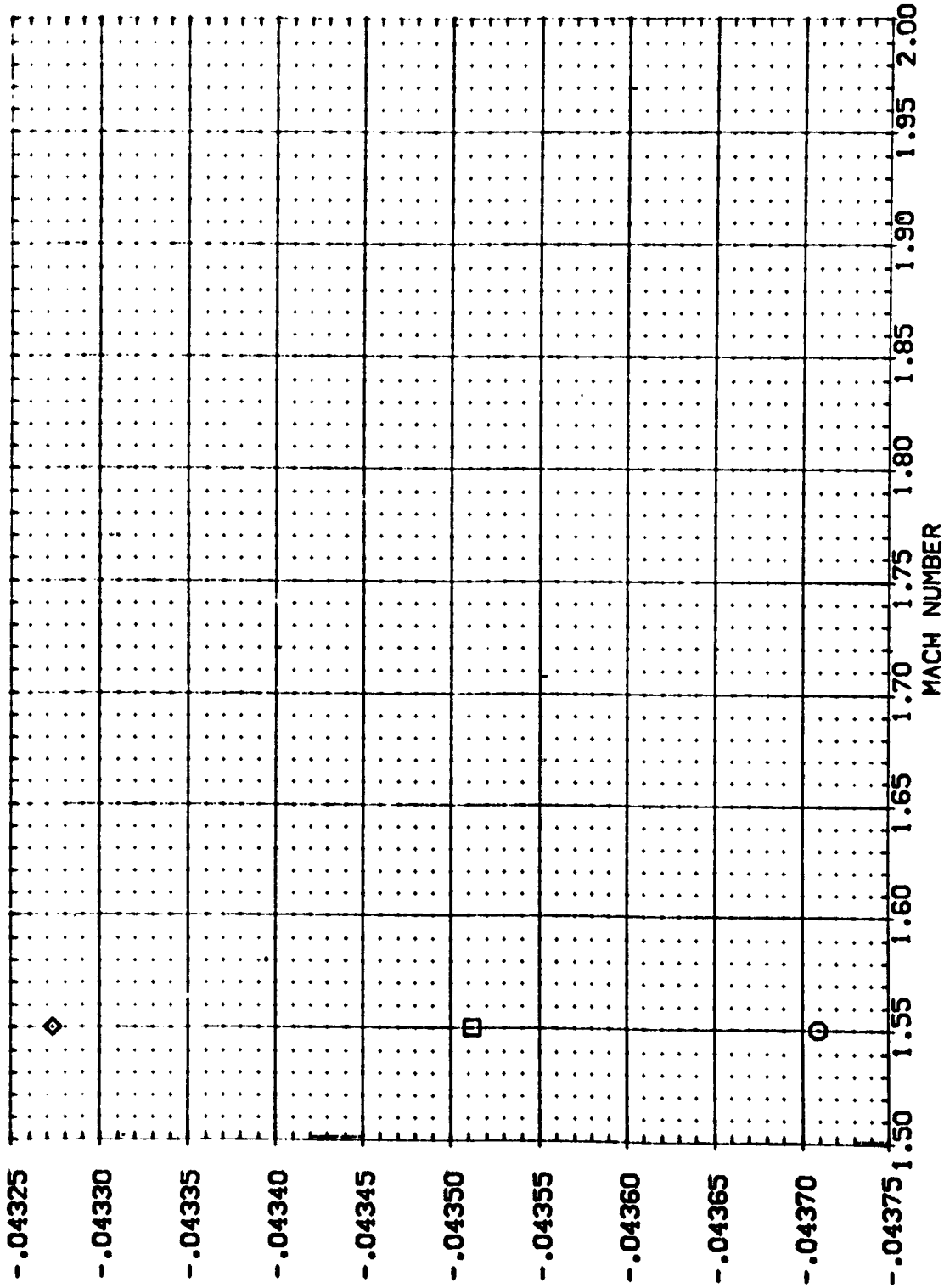
SIDE FORCE COEFFICIENT DERIVATIVE WITH BETA, CYBETA, PER DEGREE

DATA SET SYMBOL: (88V027) (88V025) (88V026)

CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF
 ARC 97-710 [A128 01 T1 S1] ORS ON, SRPR-NOMINAL
 ARC 97-710 [A128 01 T1 S1] ORS OFF, SRPR-NOMINAL


OPR: .433 SRPR: .469 POWER: .000 RUDDER: .000


REFERENCE INFORMATION: SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 YMRP: 953.0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190




SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(88V027)  ARC 97-710 1A129 01 11 S1 POWER OFF

(88V025)  ARC 97-710 1A129 01 11 S1 Q98 ON, S99R-NOMINAL

(88V026)  ARC 97-710 1A129 01 11 S1 Q98 OFF, S99R-NOMINAL

QPR .433 S99R .469 POWER .000 RUDDER .000

REFERENCE INFORMATION

SREF 2690.0000 50.FT.

LREF 1328.0000 IN.

BREF 1328.0000 IN.

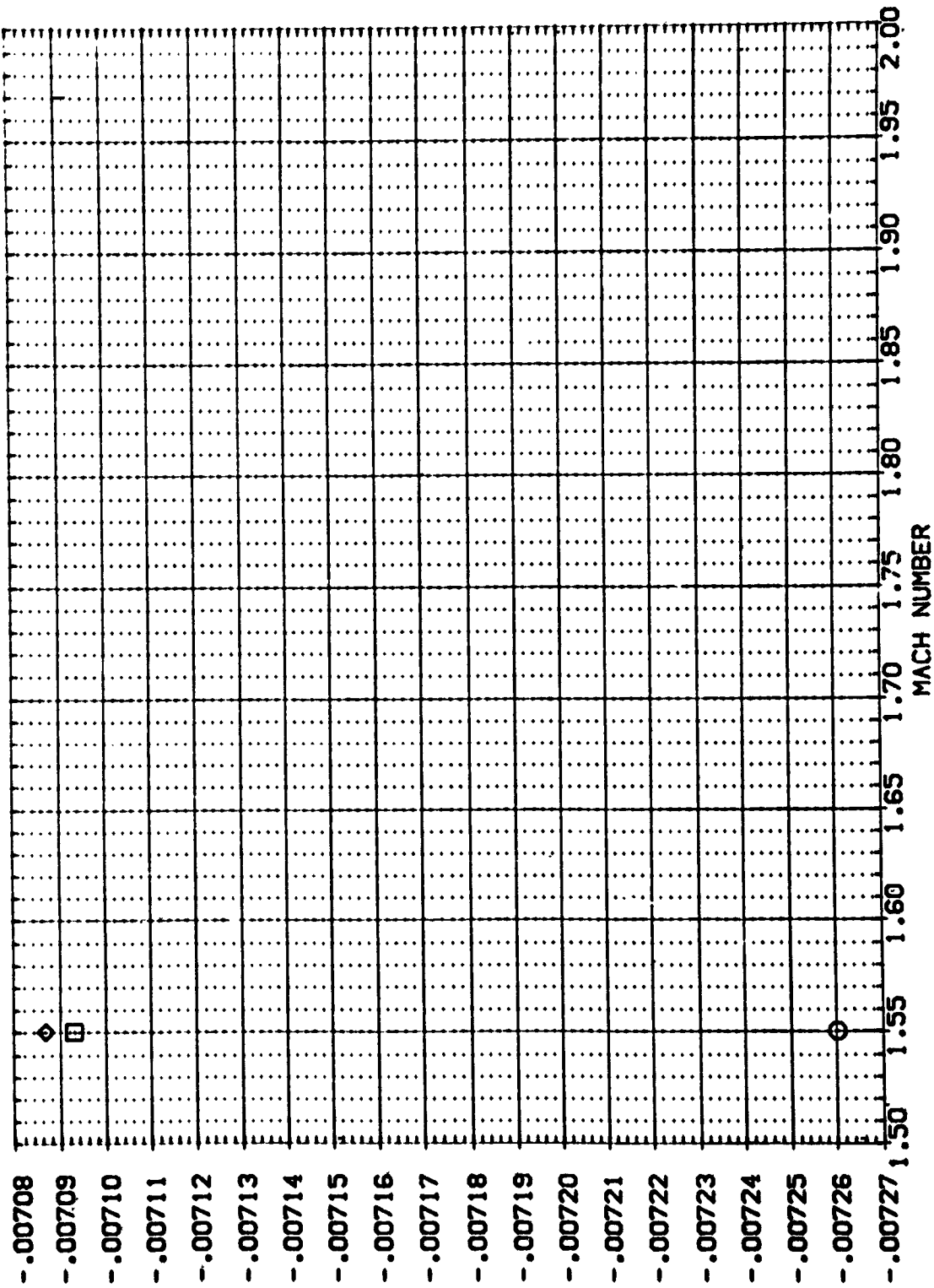
XPRP 953.0000 IN.

YPRP 400.0000 IN.

ZPRP 400.0000 IN.

SCALE .0190

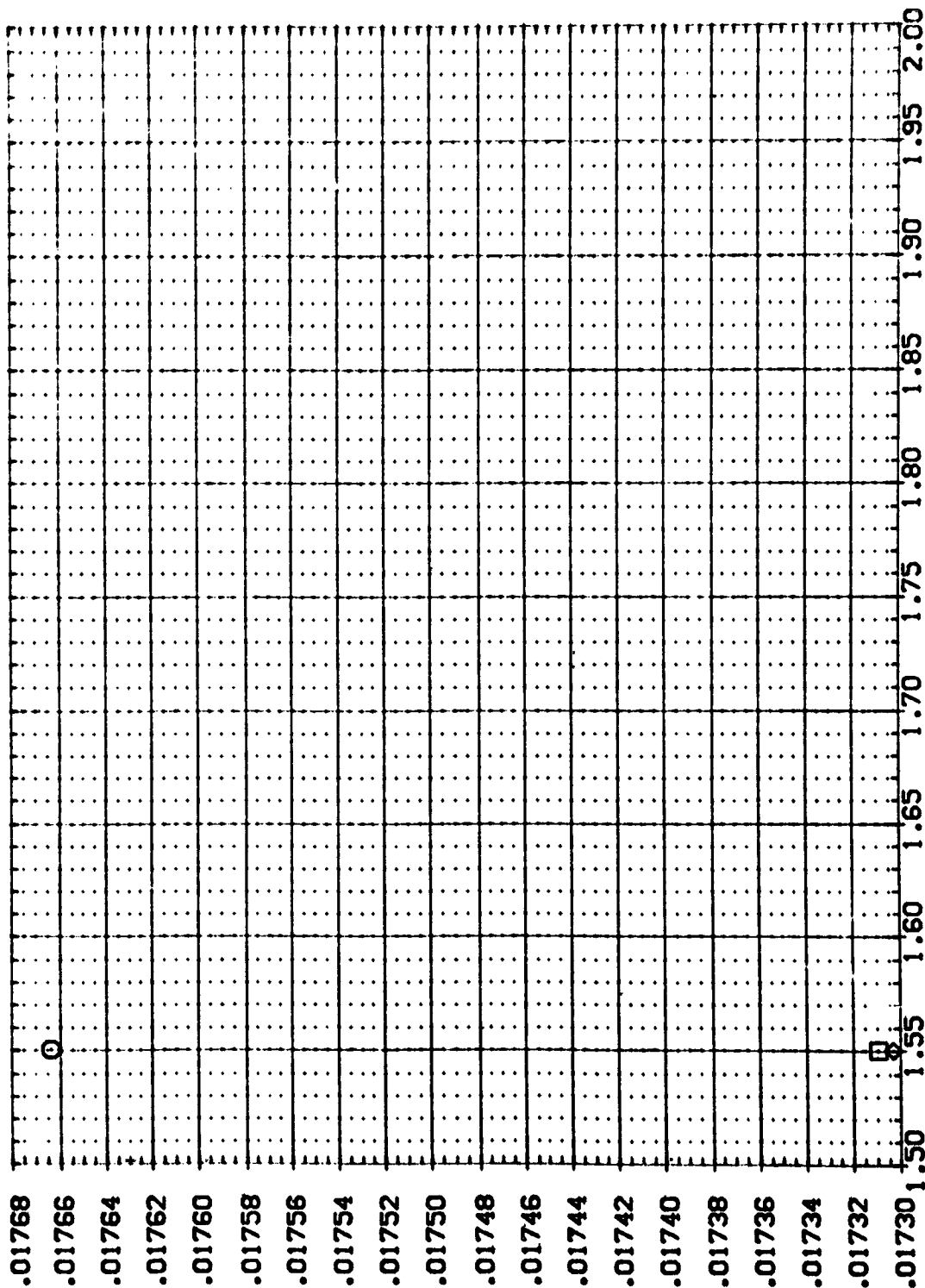
ROLLING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CBLBET, PER DEGREE



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

■■■■■

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	GPR	SMPR	POWER	RUDER	REFERENCE INFORMATION
[BBV027]	ARC 97-710 [A]28 01 T1 S1 POWER OFF	.433	.469	.000	.000	SREF 2650.0000 SD 5 FT.
[BSV025]	ARC 97-710 [A]28 01 T1 S1 ORB ON SMPR-NOMINAL			1.000	.000	LREF 1378.0000 IN.
[BSV026]	ARC 97-710 [A]28 01 T1 S1 ORB OFF SMPR-NOMINAL		.469	1.000	.000	BREF 1378.0000 IN.
					.000	KREF 953.0000 IN.
					.000	MREF 400.0000 IN.
					.000	ZMREF .0150 SCALE



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL: (88V027) (88V025) (88V026)

CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF; ARC 97-710 [A128 01 T1 S1] CR8 ON, SR-PR-NOMINAL; ARC 97-710 [A128 01 T1 S1] CR8 OFF, SR-PR-NOMINAL

DR: .433

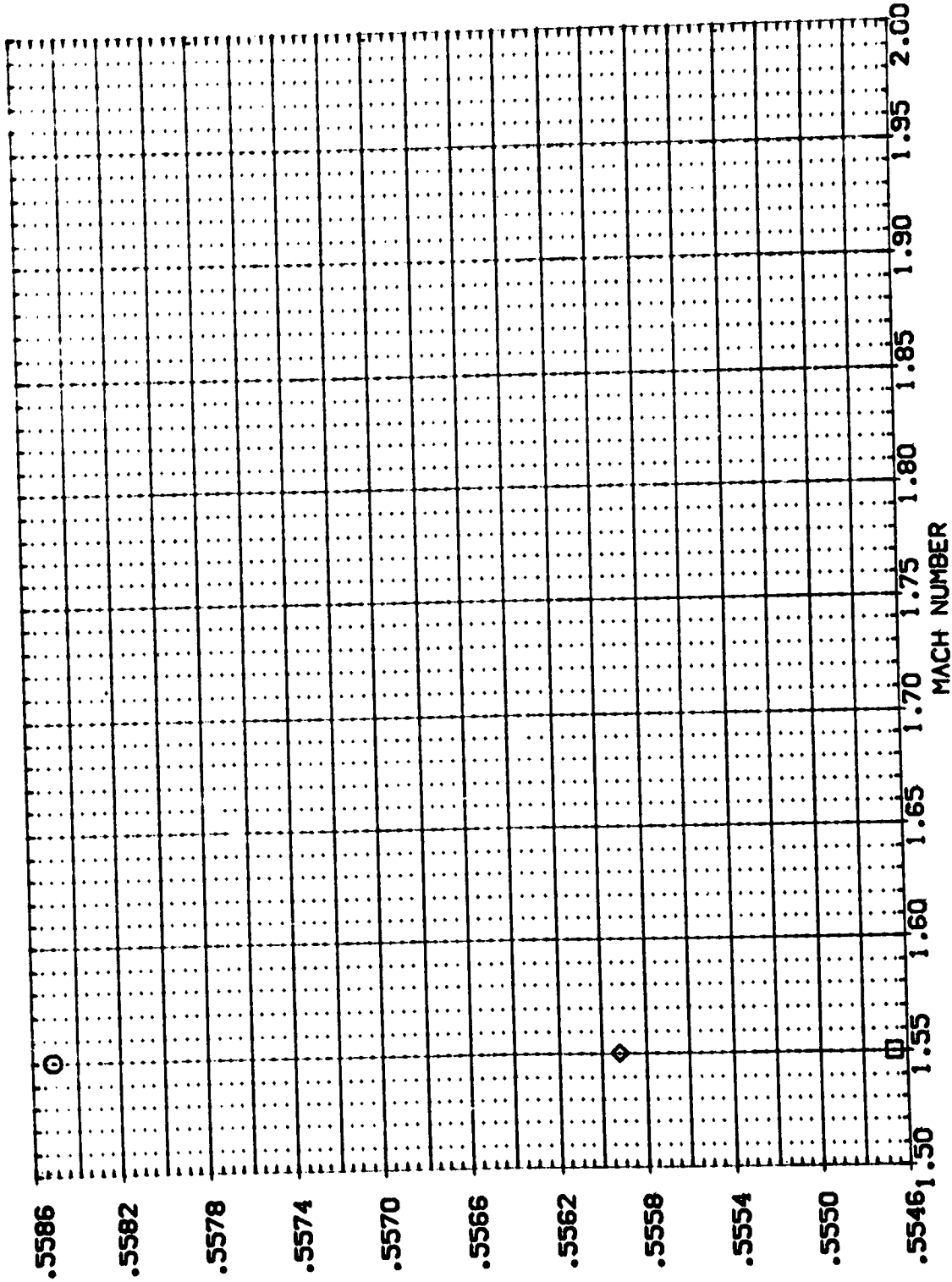
SR-PR: .469

POWER: .000; .000; 1.000; 1.000

RUDER: .000; .000; .000

REFERENCE INFORMATION: SREF 2690.0000 SQ.FT.; LREF 1378.0000 IN.; BREF 1378.0000 IN.; YPRP 953.0000 IN.; ZPRP 470.0000 IN.; SCALE .0190

LATERAL AERODYNAMIC CENTER, XYAC/L PERCENT OF BODY LENGTH



SSME ENGINE-OUT EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CBV032) [] ARC 97-710 [A] 28 01 T1 S1 POWER OFF

(CBV036) [] ARC 97-710 [A] 28 01 T1 S1 ORB ON, S0PR-NOMINAL

DRR SRRP POWER RUDDER

.433 .469 .000 10.000

1.000 10.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.

LREF 1328.0000 N.

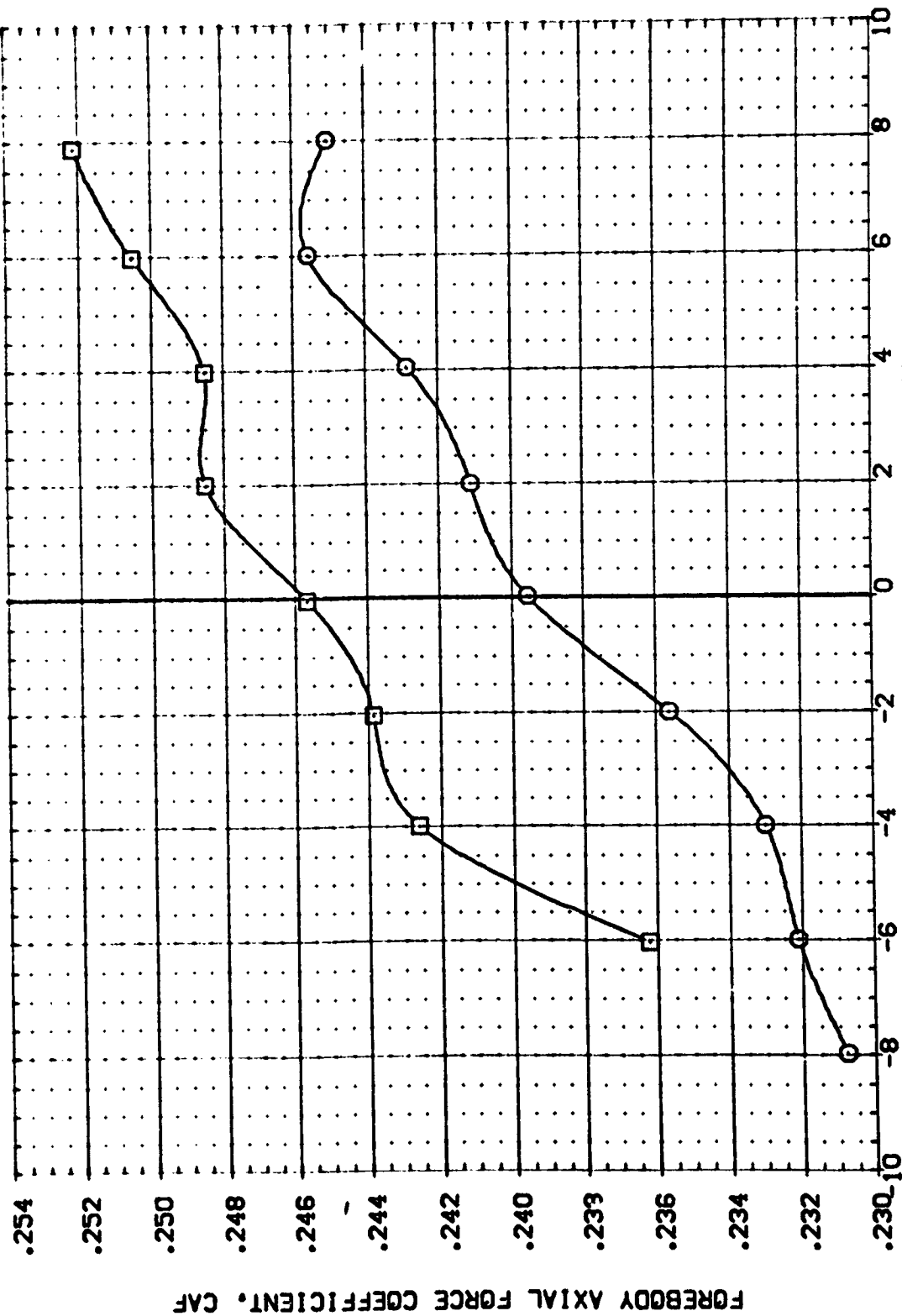
BREF 1328.0000 N.

XPRP 953.0000 N.

YPRP .0000 N.

ZPRP 400.0000 N.

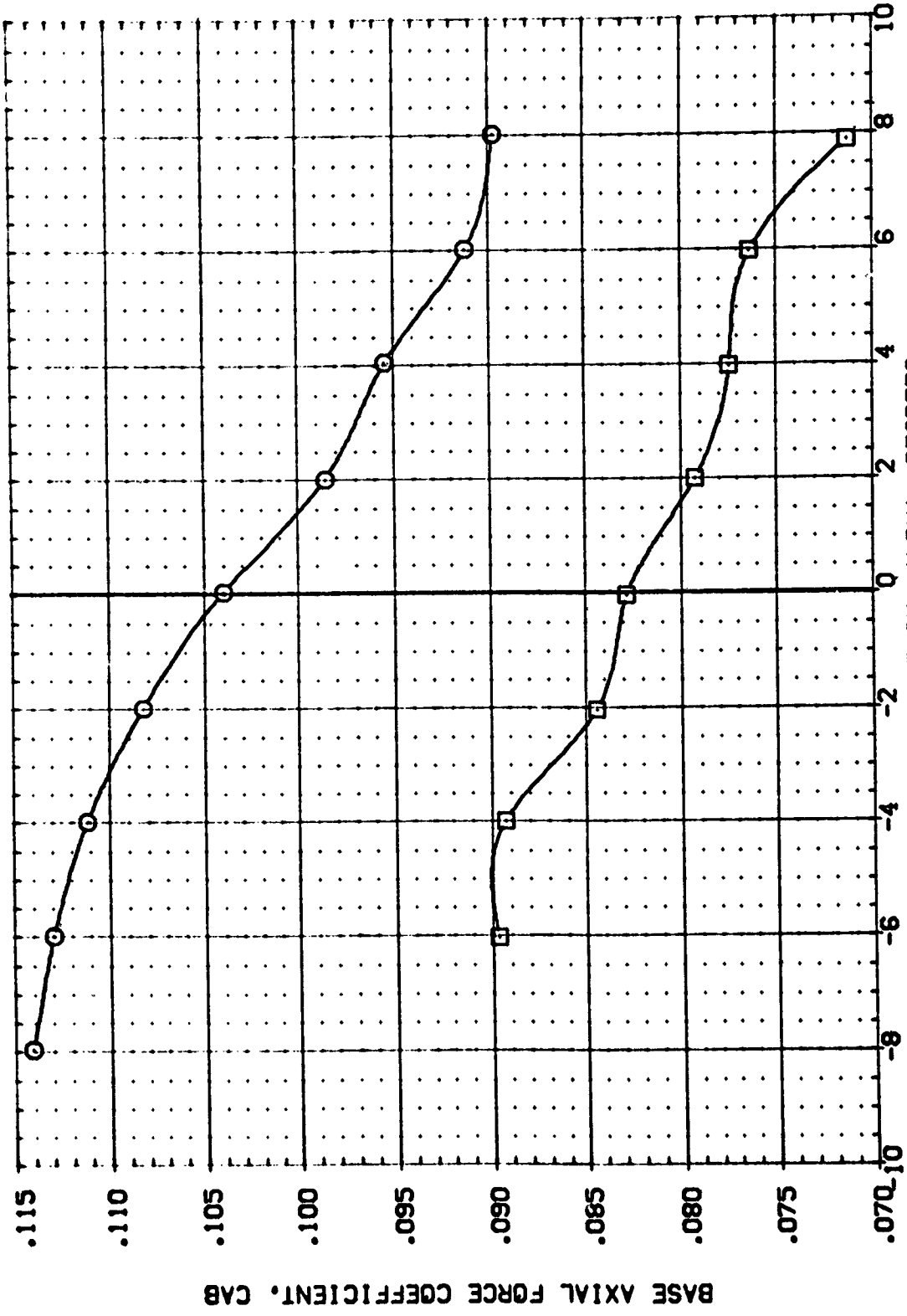
SCALE .0190 SCALE



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	QPR	SNMPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV032)	ARC 97-710 [A128 01 11 S1 POWER OFF	.433	.469	.000	10.000	SREF 2690.0000 SCL.FT.
(CBV038)	ARC 97-710 [A128 01 11 S1 QPR ON:SNMPR-NOMINAL			1.000	10.000	LREF 1328.0000 IN.
						BREF 1328.0000 IN.
						YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190 SCALE



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CBV032) [] ARC 97-710 1A128 01 T1 S1 POWER OFF
 (CBV038) [] ARC 97-710 1A128 01 T1 S1 ORG ON, SRPR-NOMINAL

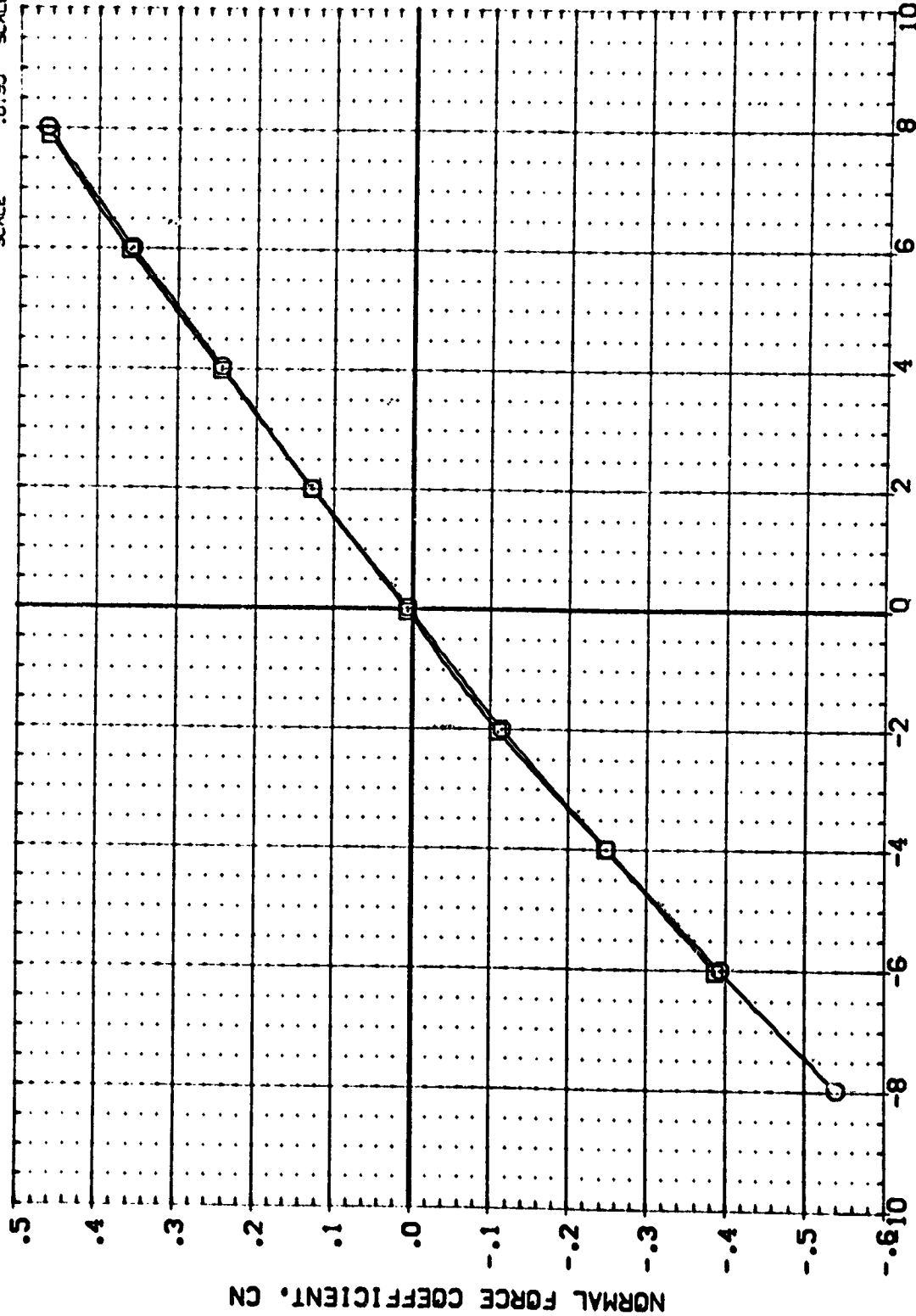
CPR .133

SRPR .469

POWER .000
 1.000

RUDDER 10.000
 10.000

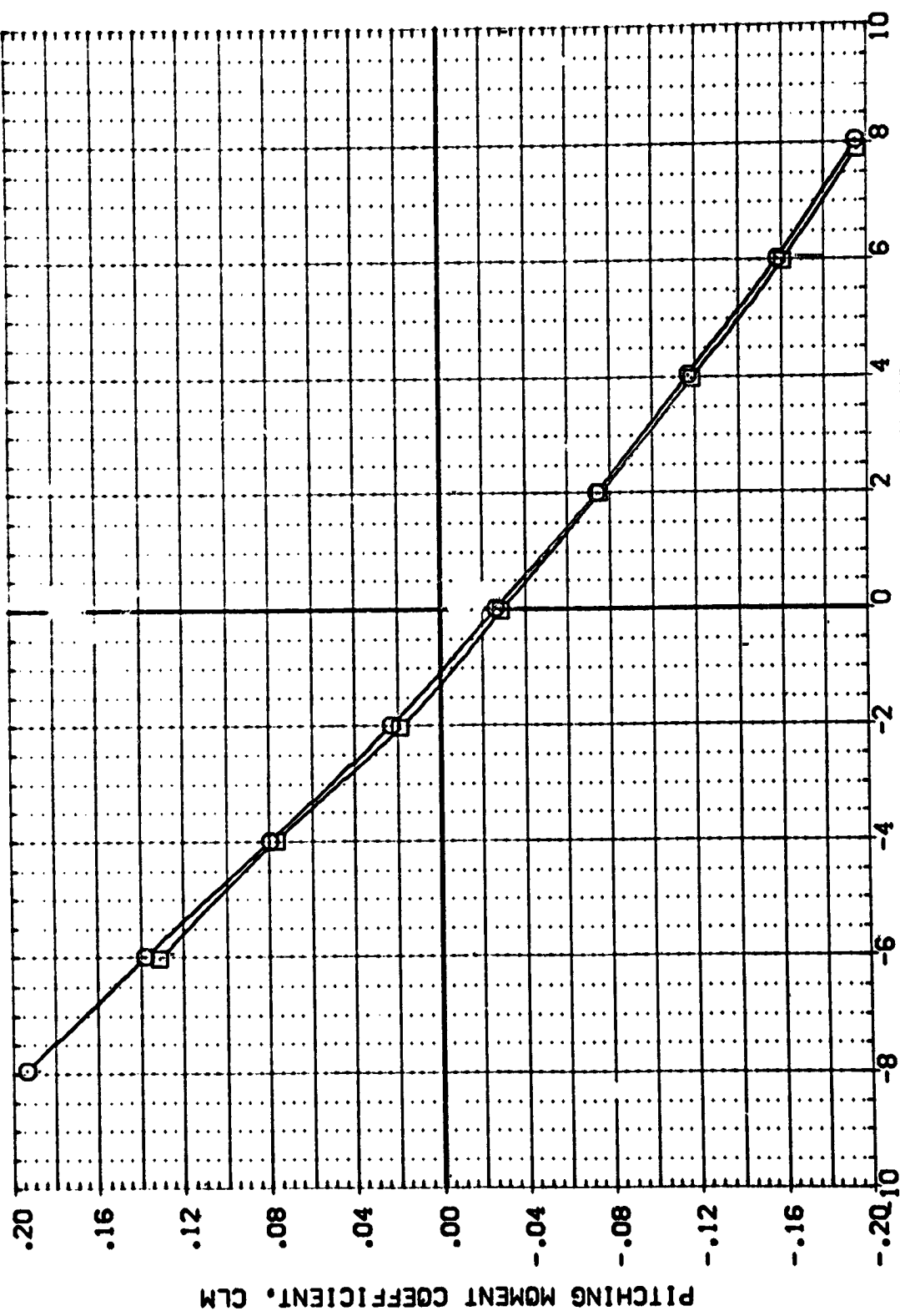
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP .0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190



ANGLE OF ATTACK, ALPHA, DEGREES
 PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

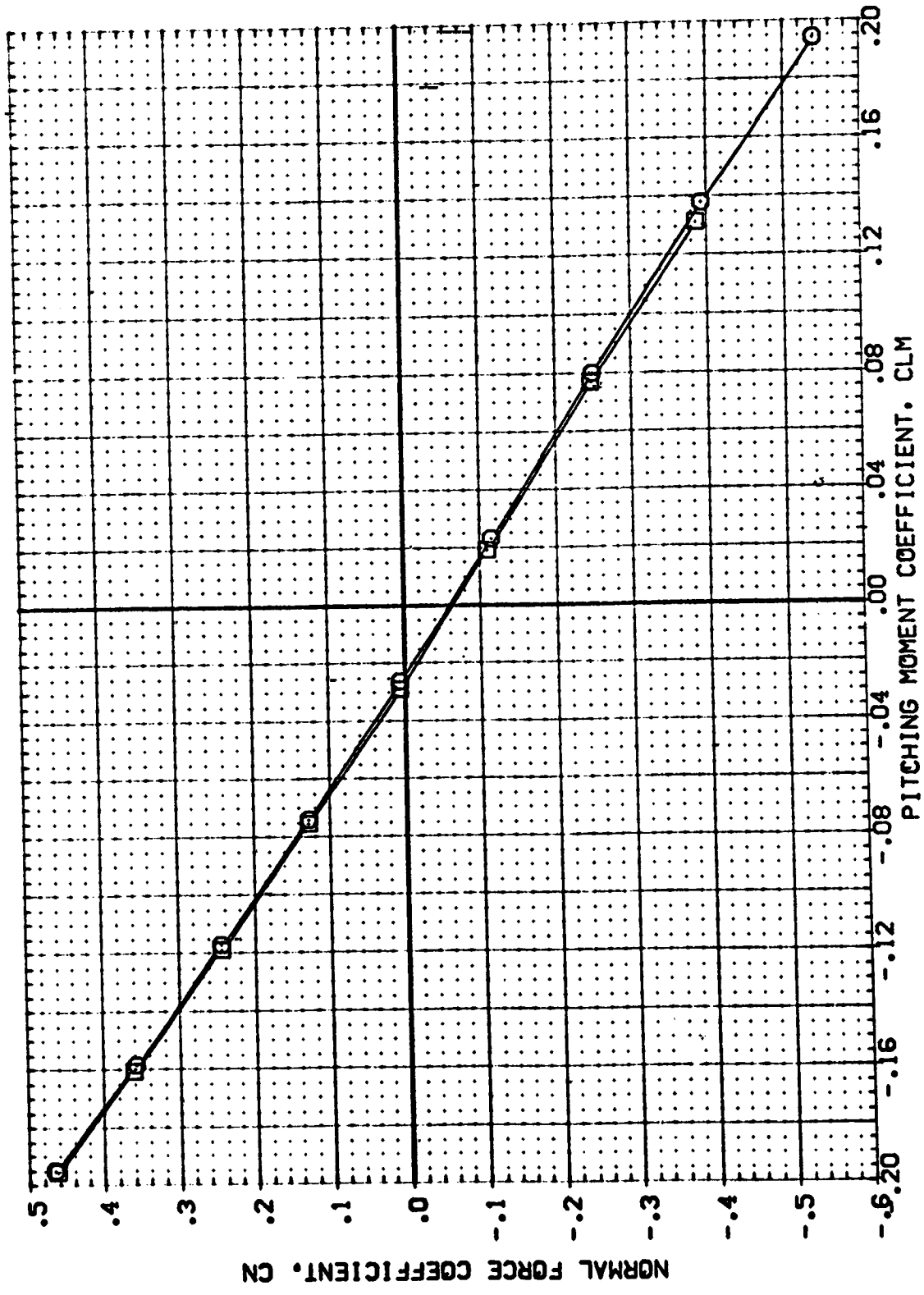
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV032)	ARC 57-710 1A128 Q1 T1 S1 POWER OFF	.433	.469	.000	10.000	SREF 2690.0000 SQ.FT.
(CBV038)	ARC 57-710 1A128 Q1 T1 S1 OPR ON, SRPR-NOMINAL			1.000	10.000	LREF 1328.0000 IN.
						BREF 1328.0000 IN.
						XMRP 553.0000 IN.
						YMRP .0000 IN.
						ZMRP .0000 IN.
						SCALE .0190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

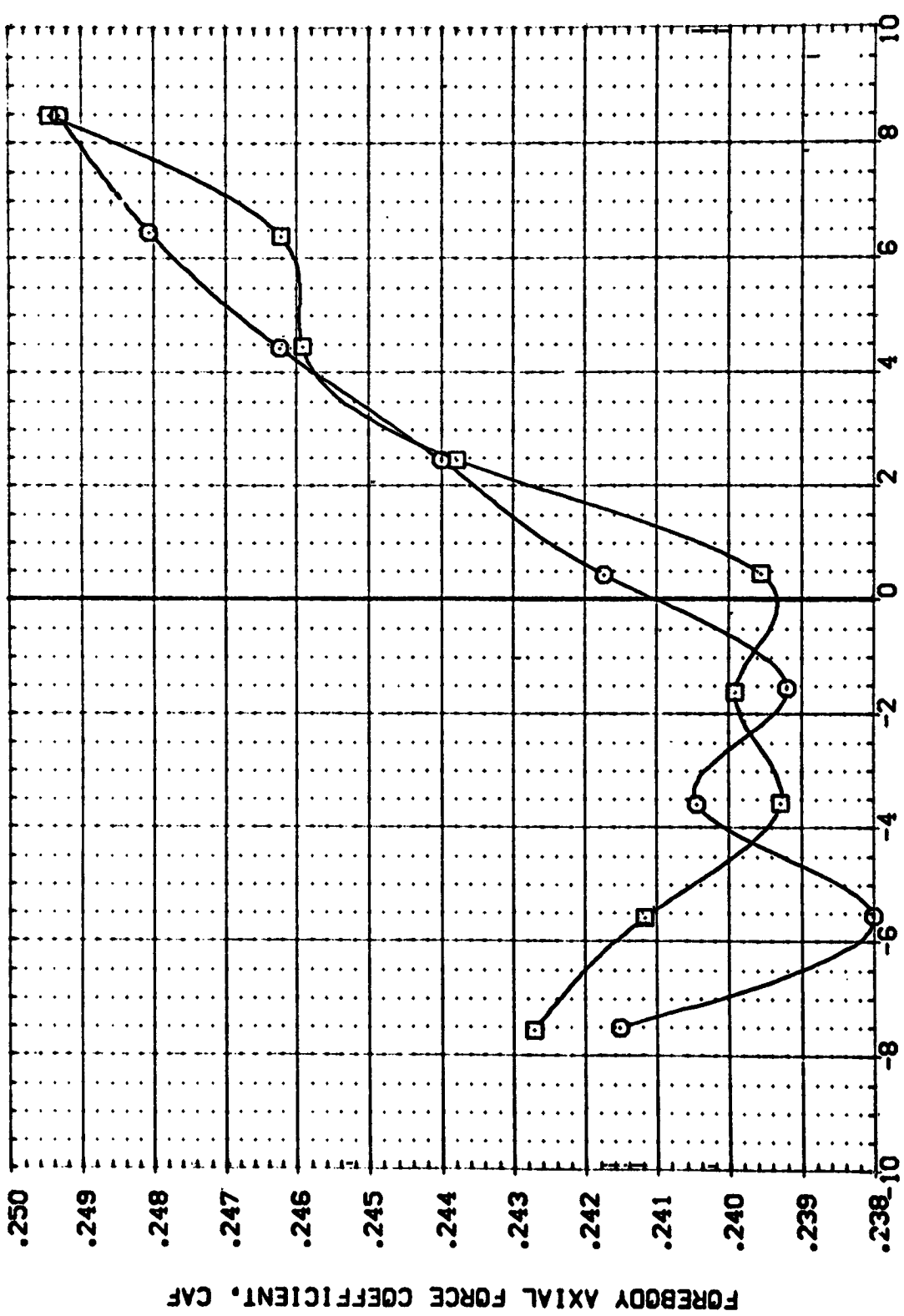
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		DPR		SRMPR		POWER		RUDDER		REFERENCE INFORMATION	
(CBV032)	ARC 97-710	1A128	01 T1 S1	POWER OFF								SREF	2690.0000
(CBV038)	ARC 97-710	1A128	01 T1 S1	CRB ON, SRMPR-NOMINAL	.433	.469	1.000	10.000	10.000			LREF	1328.0000
												BREF	1328.0000
												XMRP	953.0000
												YMRP	400.0000
												ZMRP	400.0000
												SCALE	.0150



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		DPR		SRPR		POWER		RUDDER		REFERENCE INFORMATION	
{CBV034}	ARC 97-710	AI28	01	T1	SI	POWER OFF						SREF	2690.0000
{CBV036}	ARC 97-710	AI28	01	T1	SI	CRB ON, SRPR-NOMINAL	.409	.557	.000	10.000	10.000	LREF	1328.0000
									1.000			BREF	1328.0000
												YPRP	953.0000
												ZPRP	400.0000
												SCALE	.0190
													IN.
													IN.
													IN.



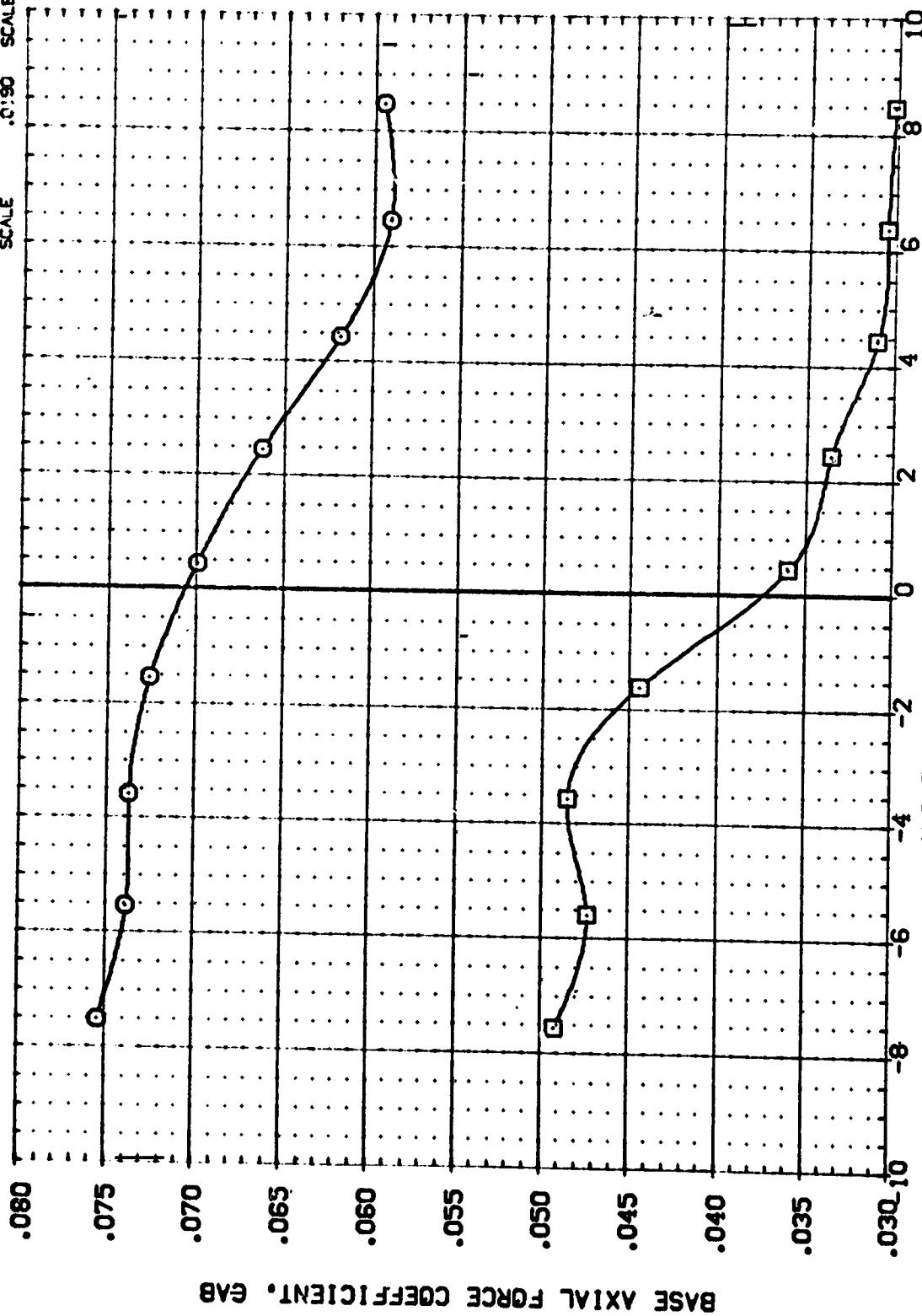
PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CBV034) ARC 97-710 1A128 01 T1 S1 POWER OFF
 (CBV036) ARC 97-710 1A128 01 T1 S1 ORB ON: SRPR-NOMINAL

OPR SRPR POWER RUDDER
 .409 .557 1.000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190



ANGLE OF ATTACK, ALPHA, DEGREES
 PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL: (CBV034) (CBV036)

CONFIGURATION DESCRIPTION: ARC 97-710 IAI28 01 T1 S1 POWER OFF
ARC 97-710 IAI28 01 T1 S1 CRB CN SRPR-NOMINAL

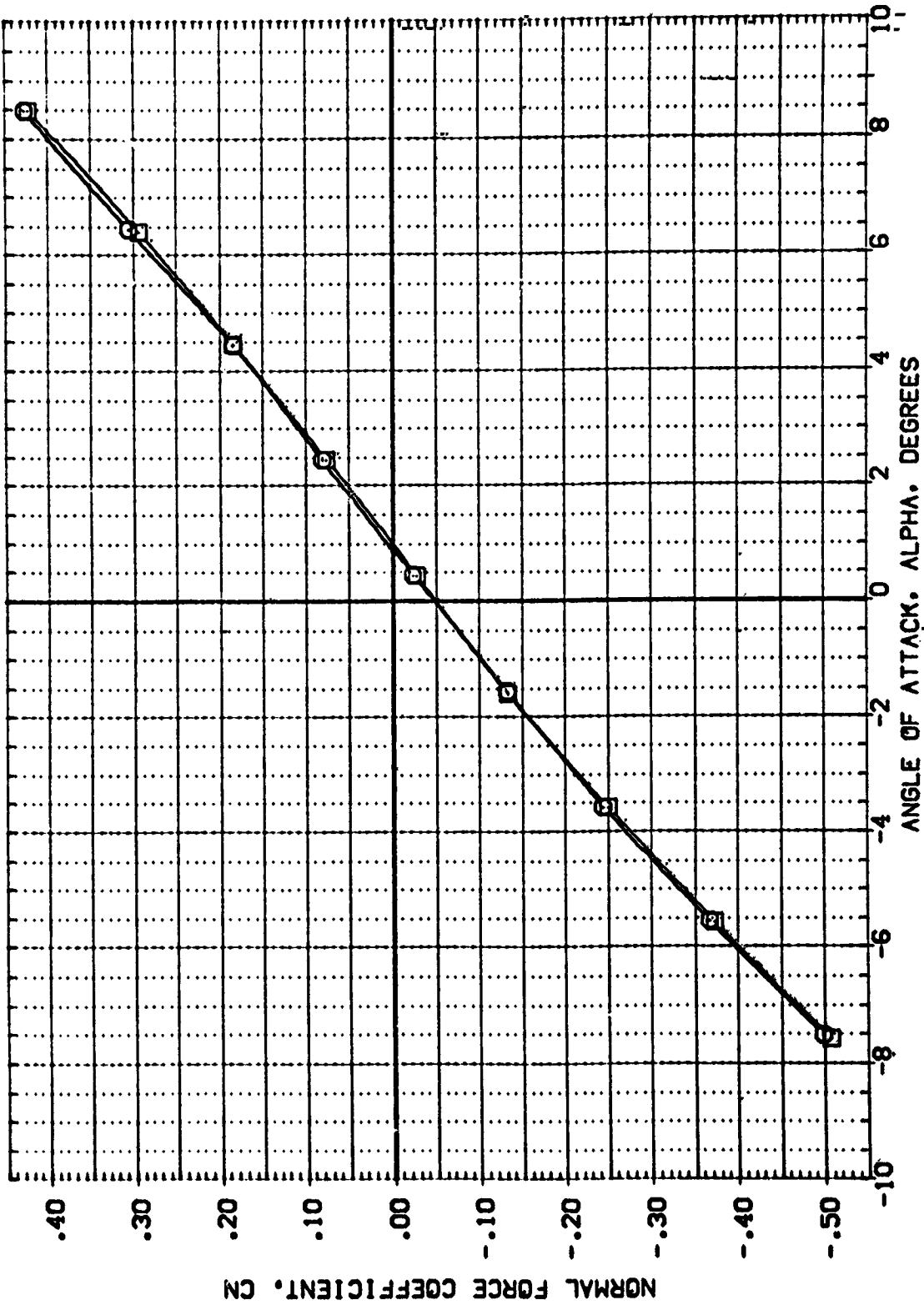
SRPR: .557

POWER: .000 1.000

RUDDER: 10.000 10.000

REFERENCE INFORMATION:

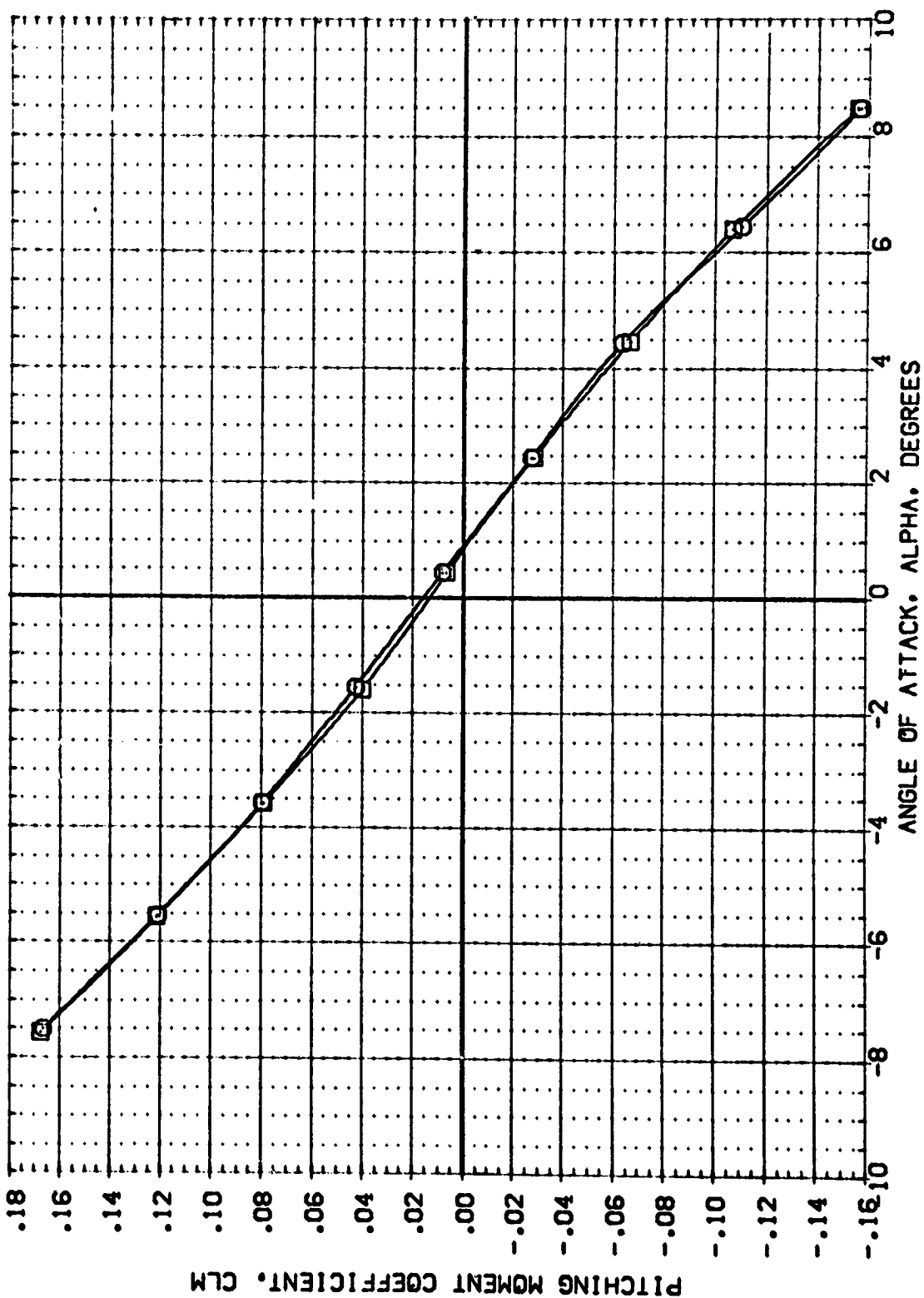
	SRREF	LRREF	BRREF	YMRP	ZMRP	SCALE	SD.FT.
	2690.0000	1328.0000	1328.0000	953.0000	400.0000	.0190	IN.



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

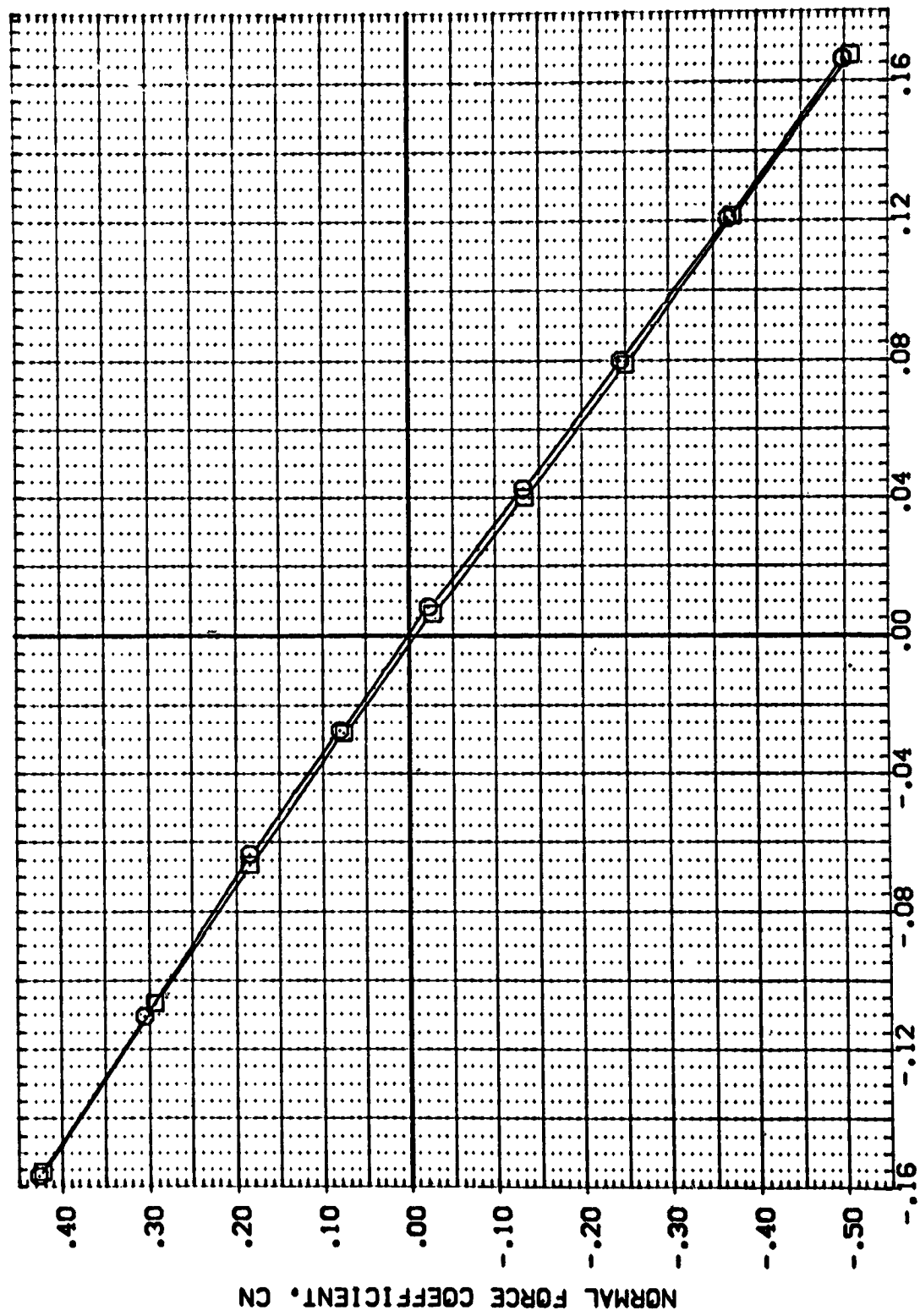
DATA SET SYMBOL		CONFIGURATION DESCRIPTION		OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION	
(CBV034)	ARC 97-710	1A128	01 T1 S1	.409	.557	.000	10.000	SREF	2690.0000
(CBV036)	ARC 97-710	1A128	01 T1 S1			1.000	10.000	LREF	1328.0000
								BREF	1328.0000
								YMRP	953.0000
								ZMRP	400.0000
								SCALE	.0190
									IN.
									IN.
									IN.
									IN.
									IN.



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV034)	ARC 97-710 1A128 01 T1 S1 POWER OFF					SREF 2690.0000 SQ.FT.
(CBV036)	ARC 97-710 1A128 01 T1 S1 DRB CN,SRMPR-NOMINAL	.109	.557	1.000	10.000	LREF 1328.0000 IN.
						BREF 1328.0000 IN.
						XMRP 953.0000 IN.
						YMRP .0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PITCHING MOMENT COEFFICIENT, CLM

PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

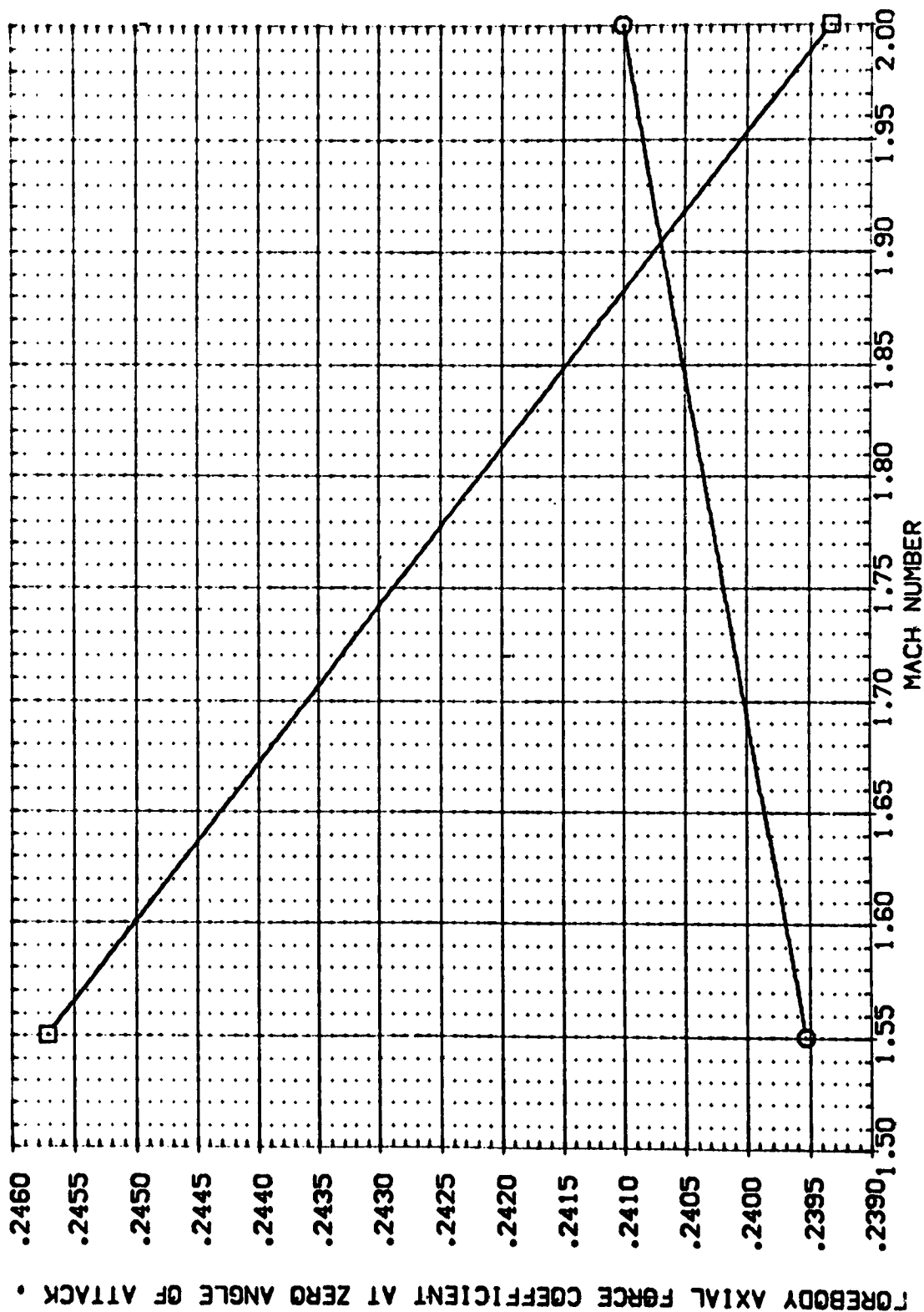
(A)MACH = 2.00

DATA SET SYMBOL: (FBV032) ☐ (FBV038) ☐

CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 ORB ON, SUPER-NOMINAL

POWER: 1.000 10.000 10.000 1.000
 RUDDER: 10.000 10.000 10.000 1.000
 GIMBAL: 1.000 1.000 1.000 1.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ. FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 AREF: 953.0000 IN.
 VREF: 400.0000 IN.
 ZREF: 400.0000 IN.
 SCALE: 0.190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBO. CONFIGURATION DESCRIPTION

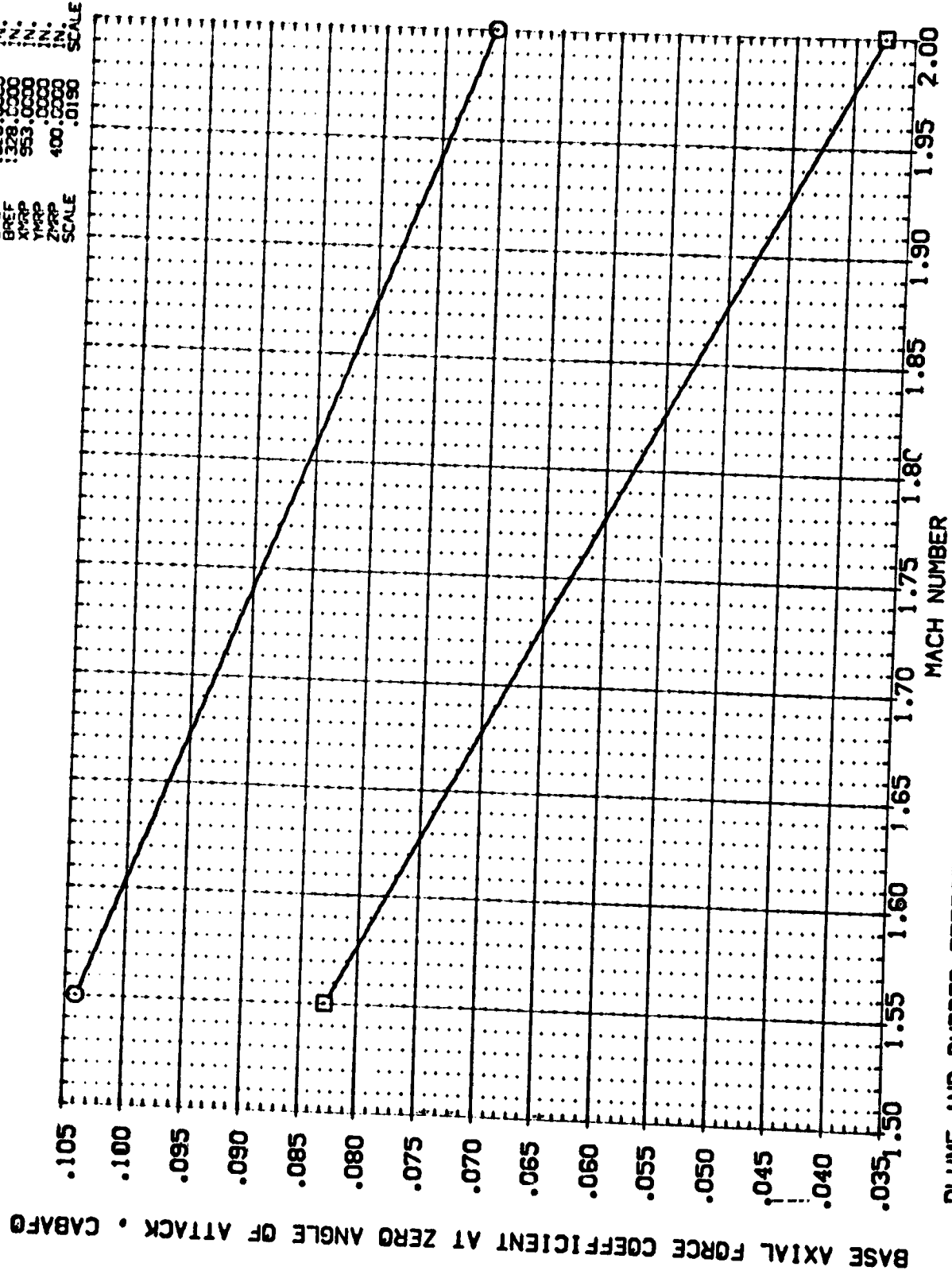
(FBV032)	ARC 97-710	IA128	01	T1	SI	POWER OFF
(FBV038)	ARC 97-710	IA128	01	T1	SI	DRB ON, SUPPR-NOMINAL

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	1328.0000	IN.
BREF	1328.0000	IN.
XPRP	553.0000	IN.
YPRP	400.0000	IN.
ZPRP	400.0000	IN.
SCALE	.0190	SCALE

POWER RUDDER GIMBAL

.000	10.000	1.000
1.000	10.000	1.000

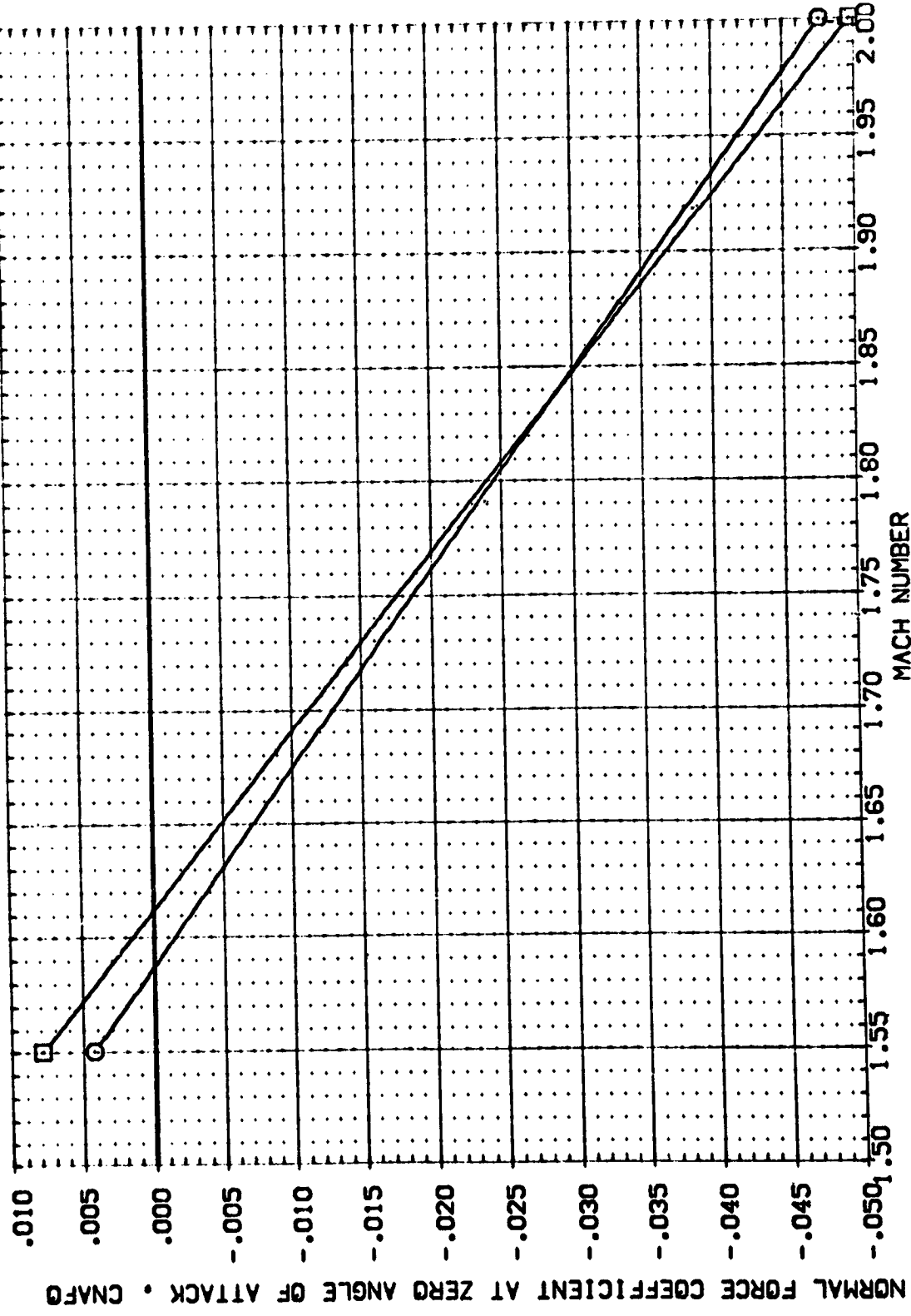


PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (FBV032) [] ARC 57-710 [A128 01 T1 S1 POWER OFF
 (FBV036) [] ARC 57-710 [A128 01 T1 S1 058 DN.SRRPR-NOMINAL

POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 0.000 1.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP .0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(FBV032) [] ARC 97-710 [A128 01 T1 S1] POWER OFF

(FBV038) [] ARC 97-710 [A128 01 T1 S1] ORB CN.SR-PR-NOMINAL

POWER RUDDER GIMBAL

.000 10.000 1.000

1.000 10.000 1.000

REFERENCE INFORMATION

SREF 2650.0000 SD.FT.

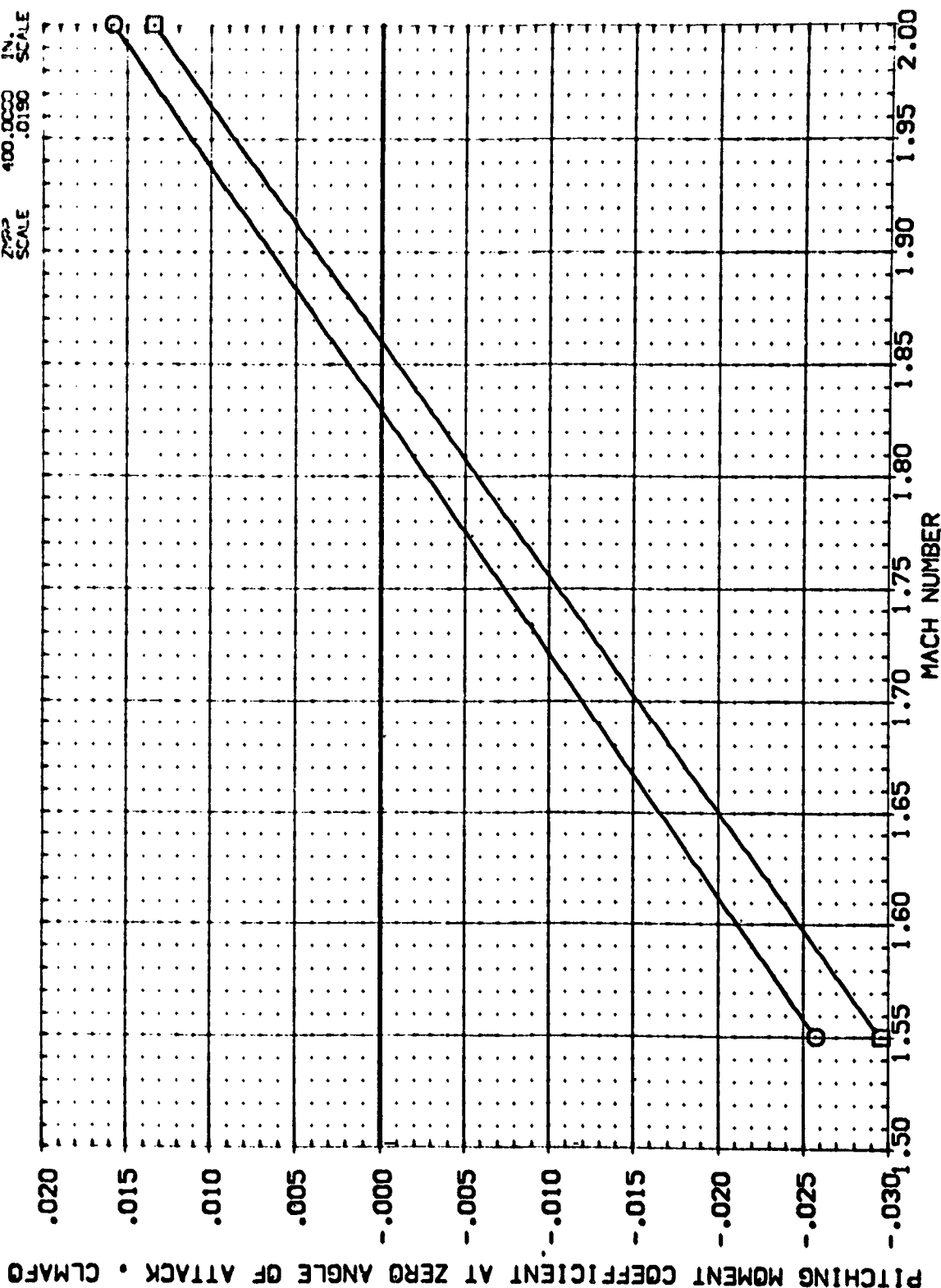
LREF 1378.0000 IN.

BREF 1378.0000 IN.

MREF 953.0000 IN.

ZREF 400.0000 IN.

SCALE .0190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

REFERENCE INFORMATION

SREF	2690.0000	SQ. FT.
LREF	1328.0000	IN.
BREF	1328.0000	IN.
XMRP	953.0000	IN.
YMRP	.0000	IN.
ZMRP	400.0000	IN.
SCALE	.0190	SCALE

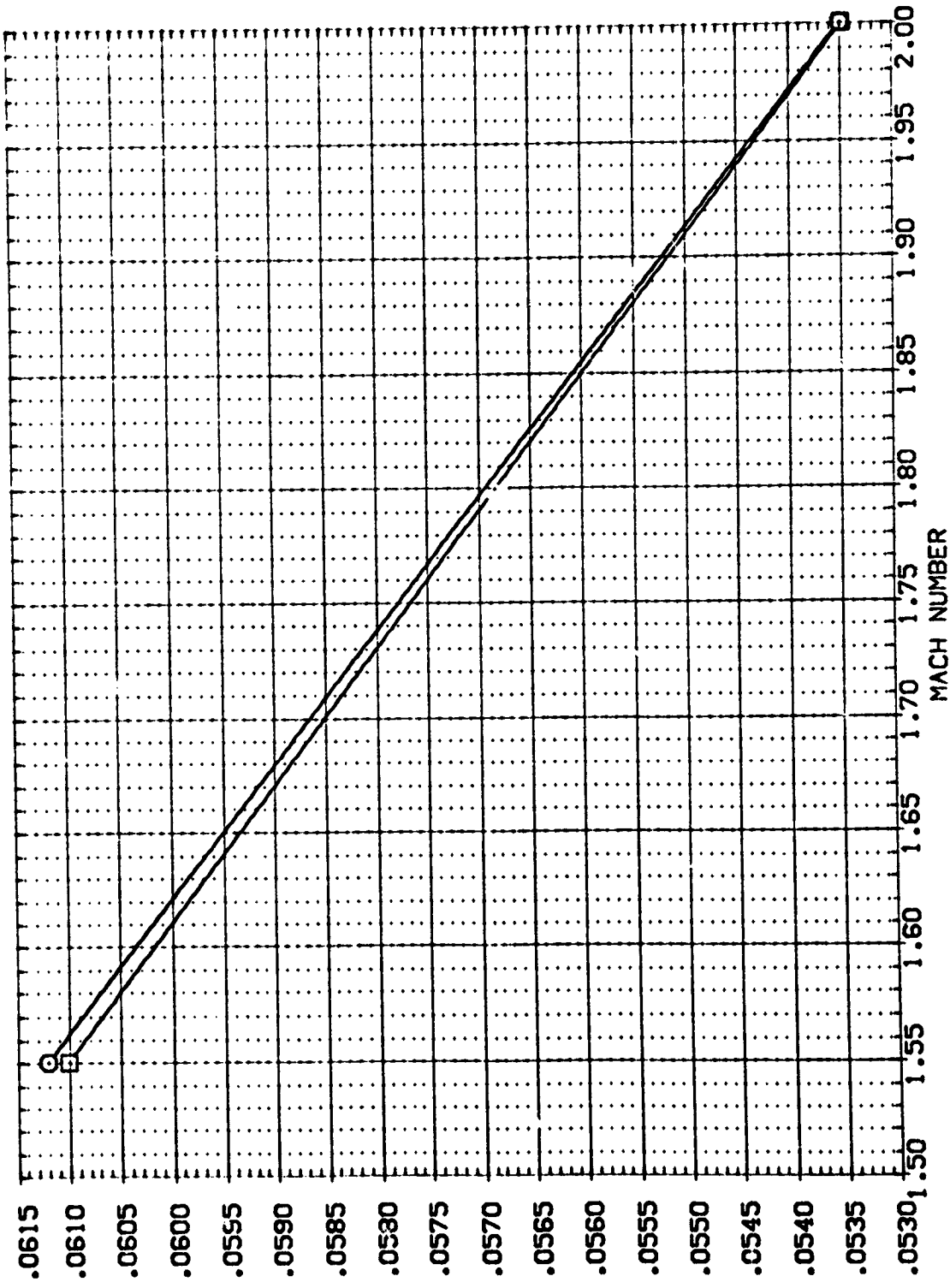
POWER RUDDER GIMBAL

.000	10.000	1.000
1.000	10.000	1.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(FBV032)	ARC 97-710	1A128	01	T1	S1	POWER OFF
(FBV038)	ARC 97-710	1A128	01	T1	S1	088 ON, SRMR-NOMINAL

NORMAL FORCE COEFFICIENT DERIVATIVE WITH ALPHA, CNALFA, PER DEGREE



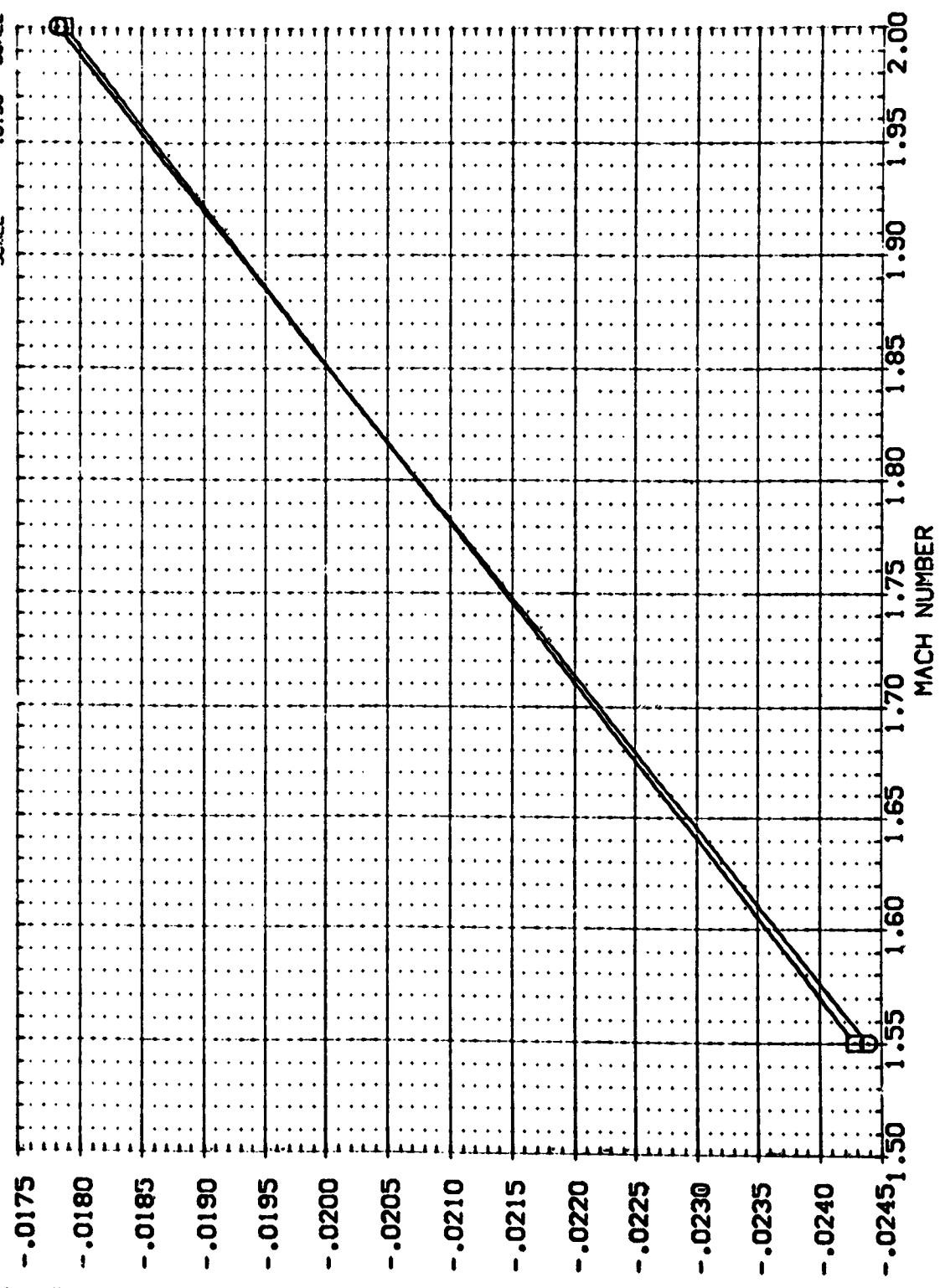
PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: [FBV032] [FBV038]
 CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF
 ARC 97-710 [A128 01 T1 S1] ORB ON, STRIP-NOMINAL

POWER: .000
 RUDDER: 10.000
 GIMBAL: 1.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: 0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190

PITCHING MOMENT COEFFICIENT DERIVATIVE WITH ALPHA, CLM/F, PER DEGREE



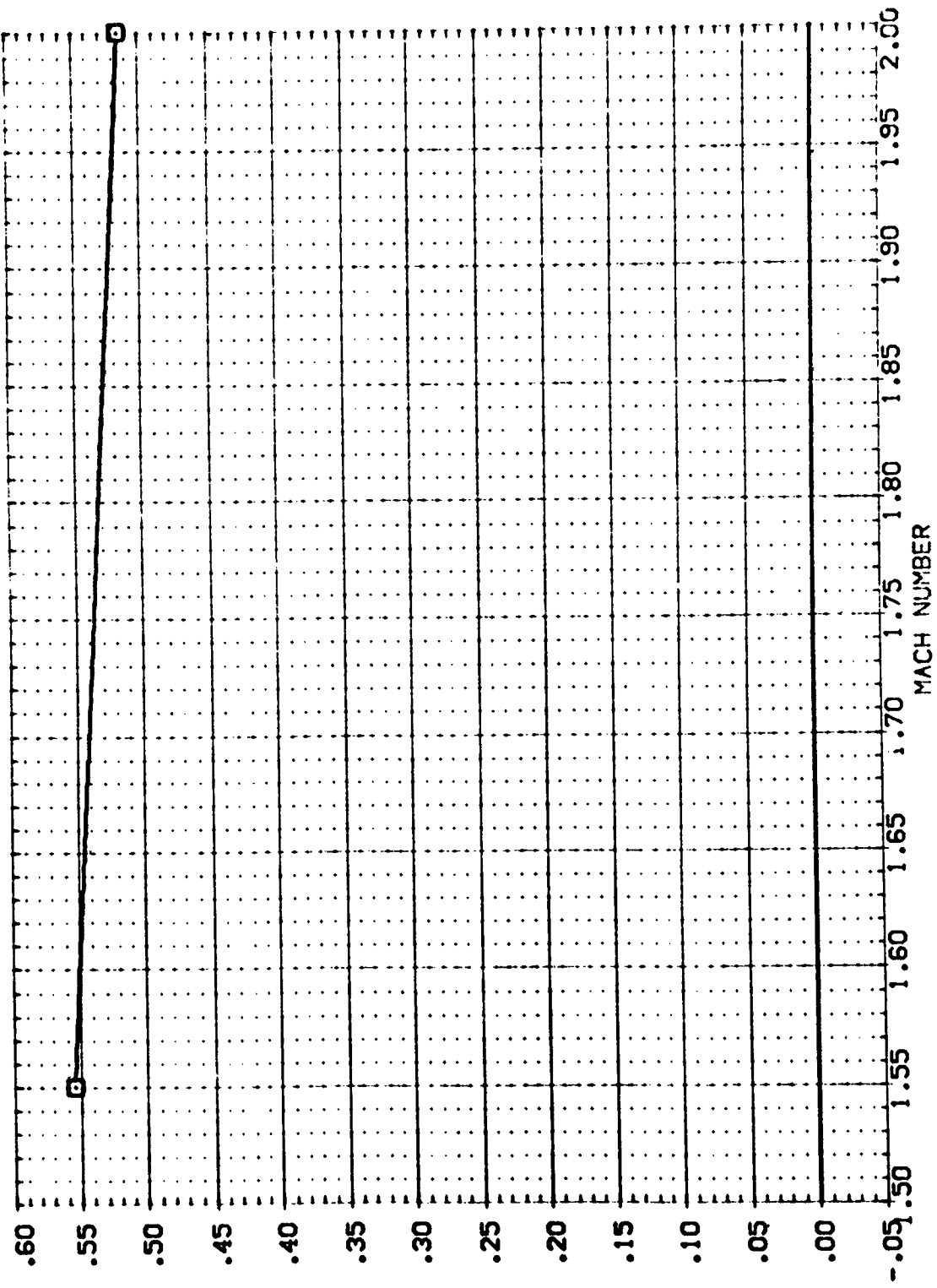
PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: [FBV032] [FBV038]
 CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF
 ARC 97-710 [A128 01 T1 S1] ORB ON-SRPPR-NOMINAL

POWER: .000
 RUDDER: 10.000
 GIMBAL: 1.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ. FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 VREF: 953.0000 IN.
 ZREF: 400.0000 IN.
 SCALE: 0.90

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH



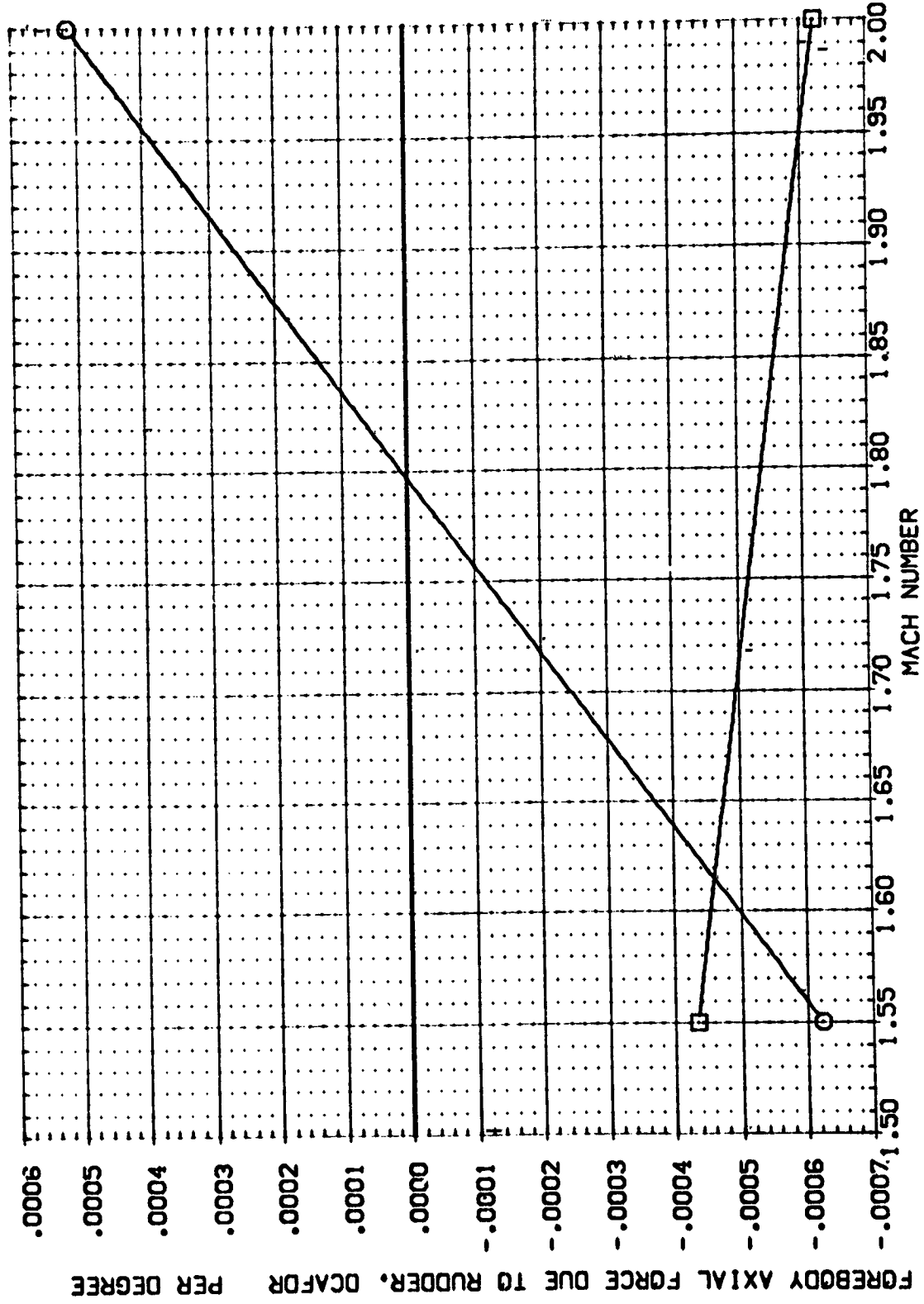
PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: ☐ (1480032) ☐ (1480038)

CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 Q1 T1 S1 ORB ON: SWPR-NOMINAL
 ARC 97-710 1A128 Q1 T1 S1 ORB ON: SWPR-NOMINAL

POWER: 1.000 1.000 10.000 10.000
 GIMBAL: 1.000 1.000 10.000 10.000
 DR: 1.000 1.000 10.000 10.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: 400.0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

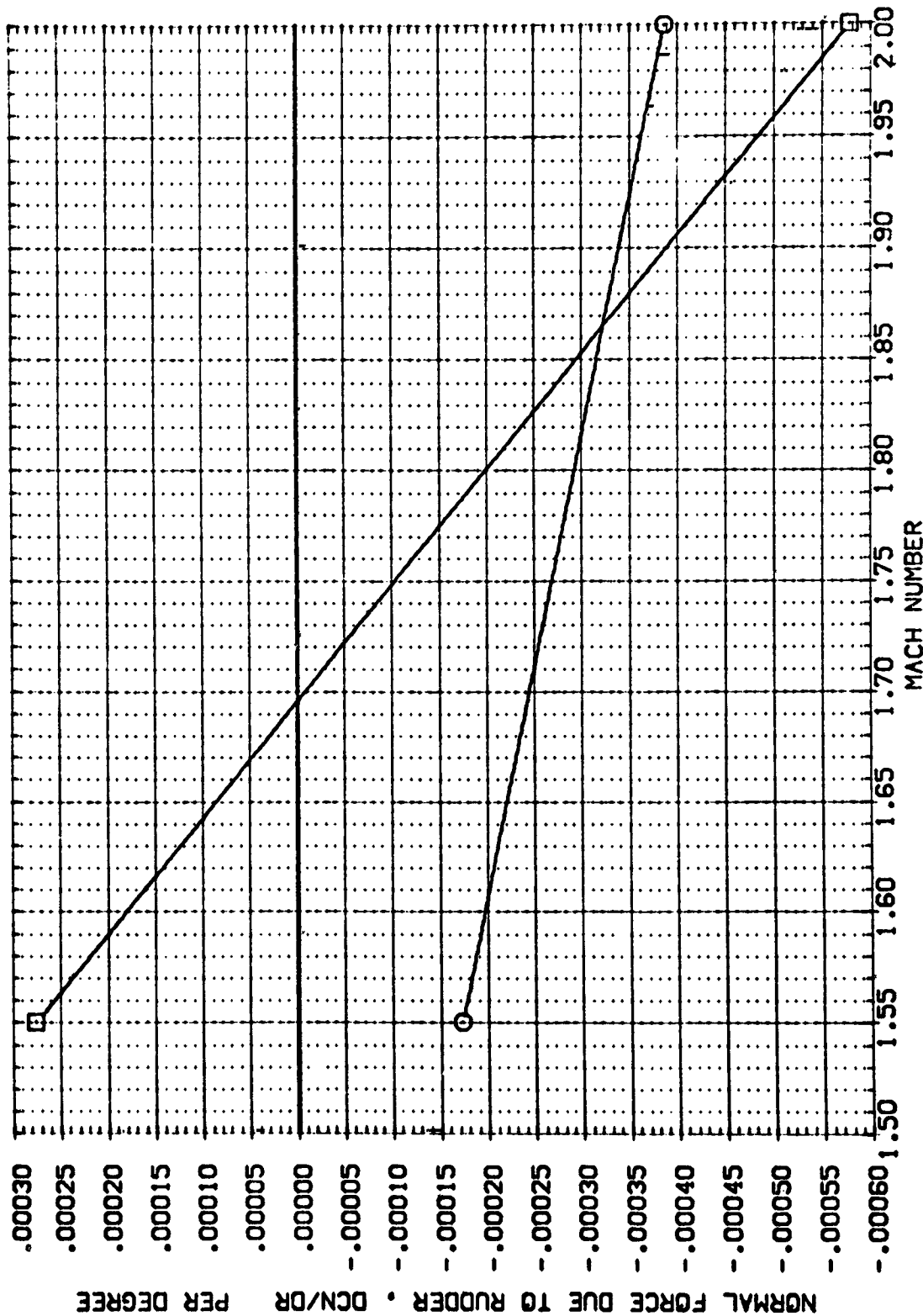
(A) ALPHA = .00

DATA SET SYMBOL: (-BV032) (-BV038)

CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 01 11 S1 POWER OFF
 ARC 97-710 1A128 01 11 S1 ORB ON: 500PR-NOMINAL

POWER: 1.000 1.000 10.000 10.000
 GIMBAL: 1.000 1.000 10.000 10.000
 DR: 1.000 1.000 10.000 10.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ. FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XPRP: 553.0000 IN.
 YPRP: 400.0000 IN.
 ZPRP: 400.0000 IN.
 SCALE: .0190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

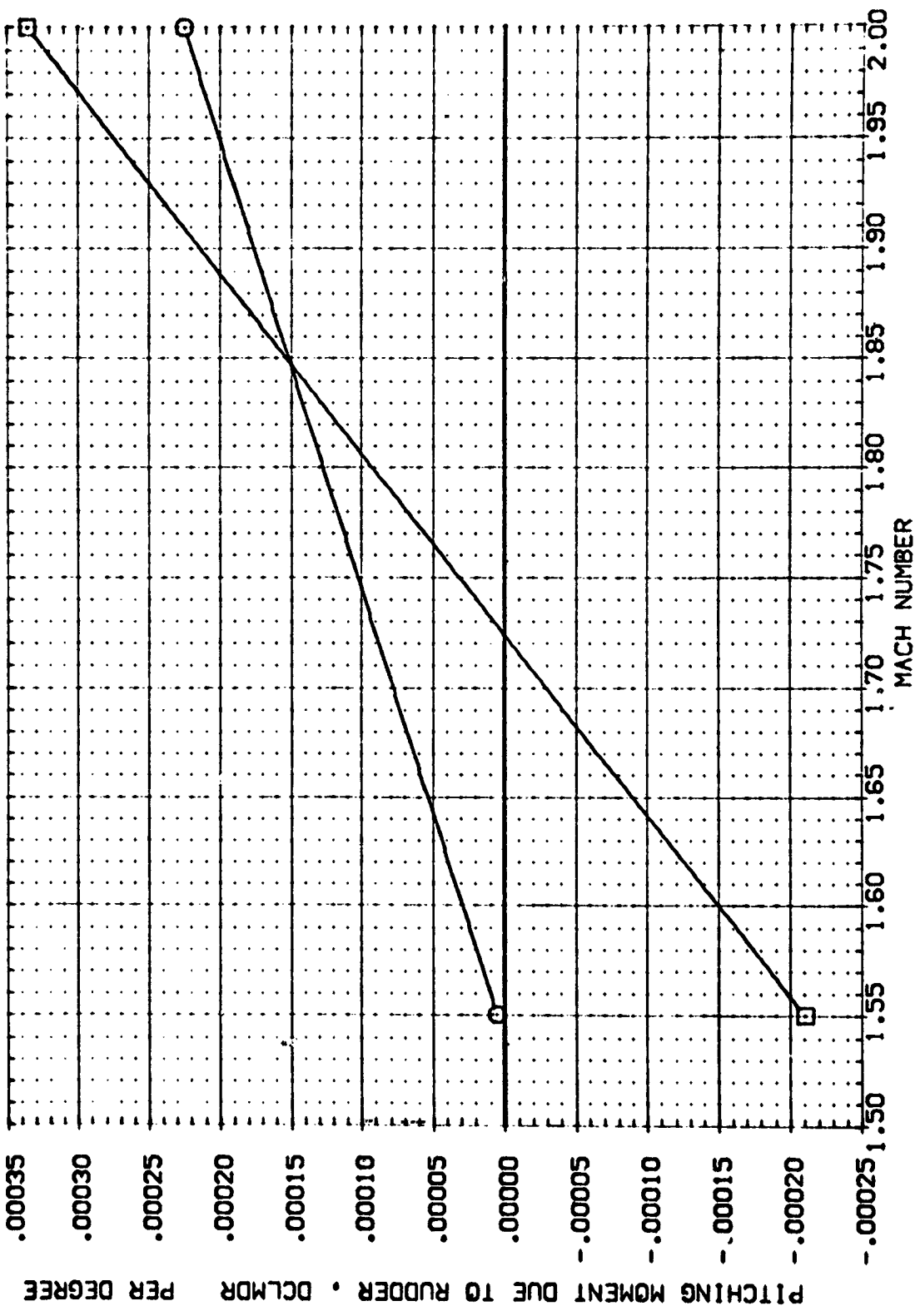
(A) ALPHA = .00

DATA SET SYMBOL
 (+HV032)
 (+HV036)

CONFIGURATION DESCRIPTION
 ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 ARC 97-710 [A] 28 01 T1 S1 ORG ON, SRPR-NOMINAL

POWER GIMBAL DR
 .000 1.000 10.000
 1.000 1.000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ. FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190



PLUME AND RUDDER EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL: (BBVC33) (BBVC39)

CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF

OPR: .433

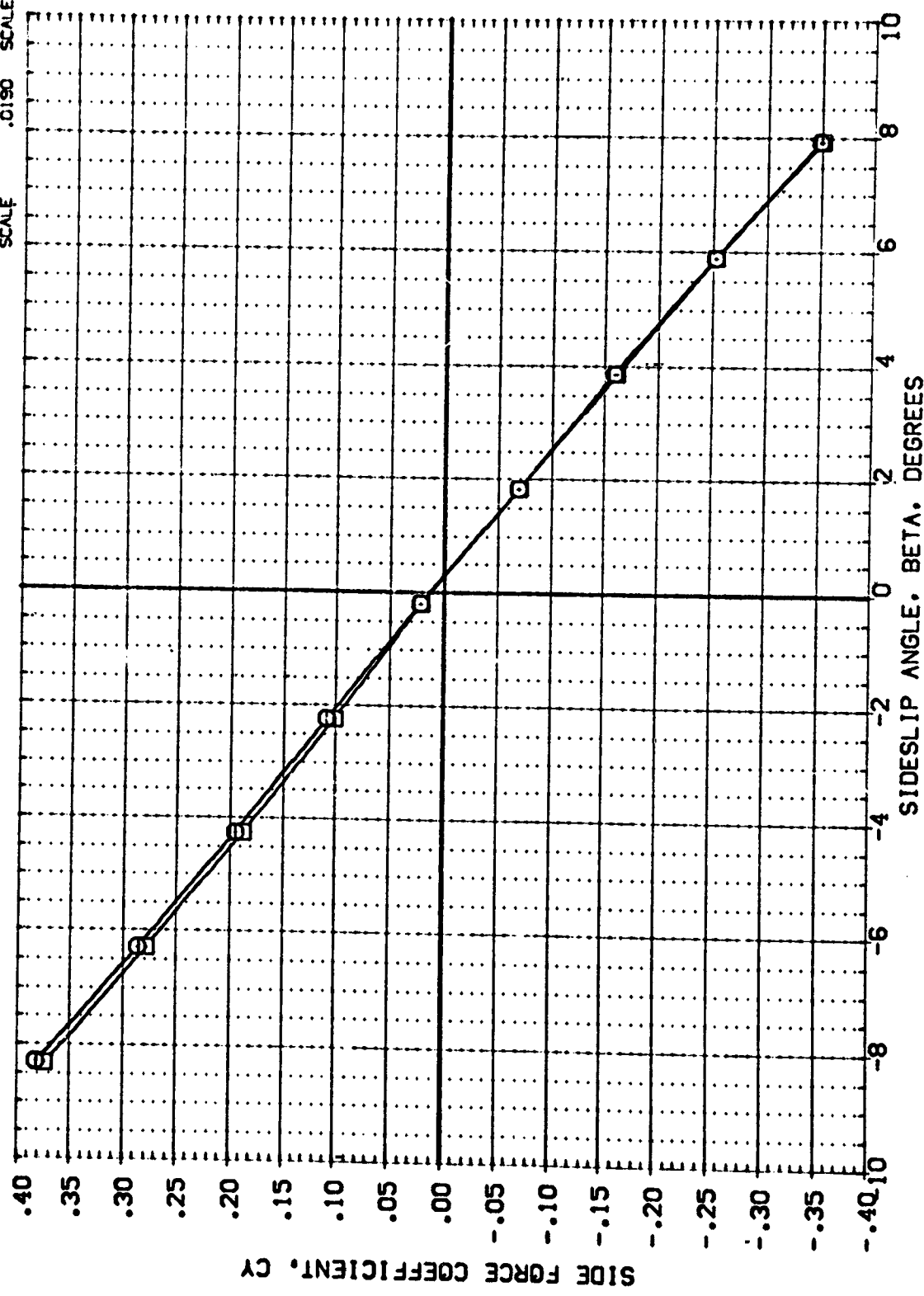
SRMPR: .469

POWER: .000 1.000

RUDDER: 10.000 10.000

REFERENCE INFORMATION:

	SRMPR	POWER	RUDDER	SCALE
SREF	2690.0000	10.000	10.000	0.0190
LREF	1328.0000	1.000	10.000	0.0190
BREF	1328.0000	1.000	10.000	0.0190
XMRP	953.0000	1.000	10.000	0.0190
YMRP	400.0000	1.000	10.000	0.0190
ZMRP	400.0000	1.000	10.000	0.0190



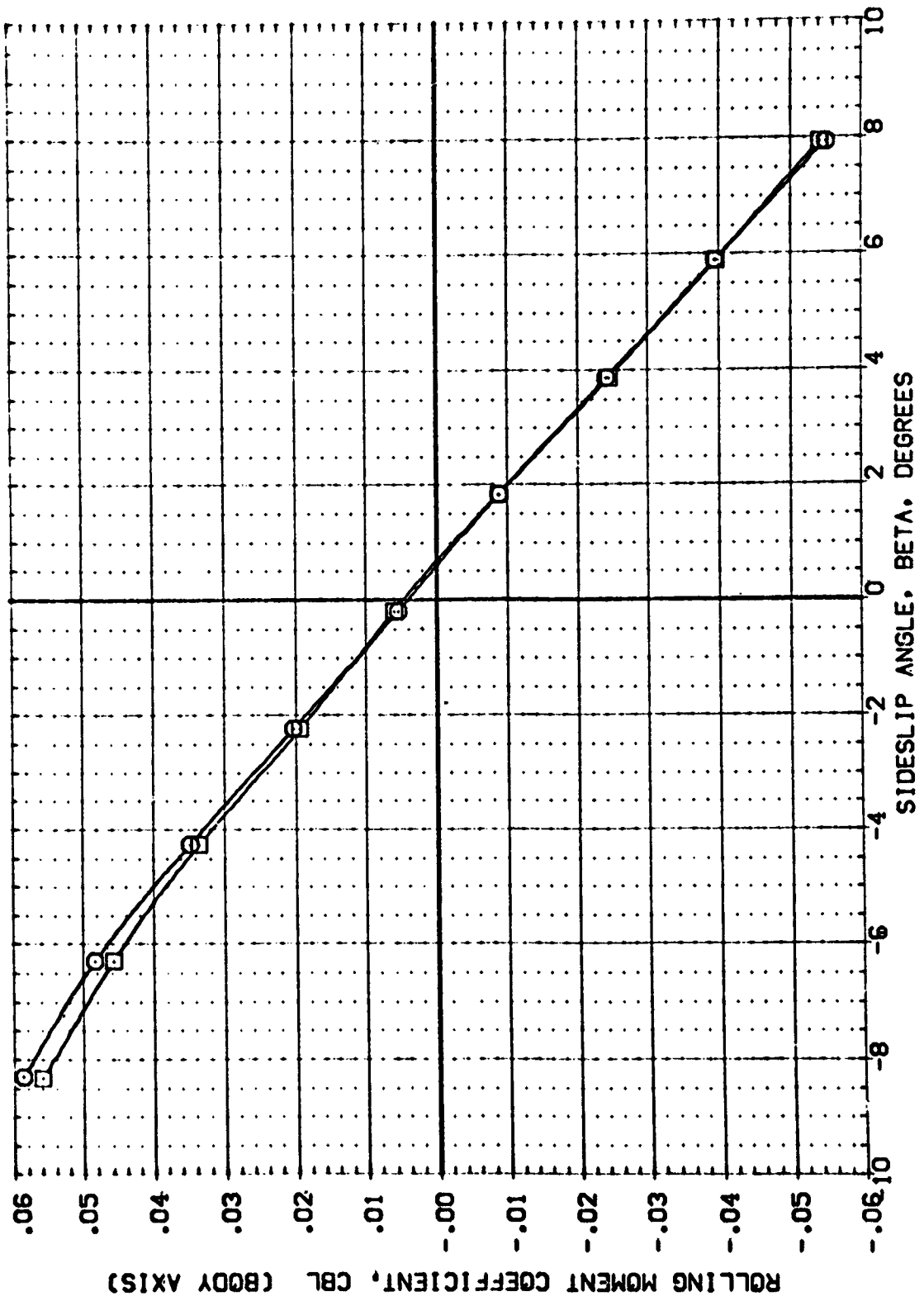
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL: (58/033) APC 97-710 (A128 01 T1 S1) POWER OFF
 (58/033) APC 97-710 (A128 01 T1 S1) ON SRPR-NOMINAL

QPR: .433 SRPR: .469 POWER: .000 RUDDER: 10.000

REFERENCE INFORMATION:
 SREF: 2690.8000 SC.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XPRP: 953.0000 IN.
 YPRP: 2000 IN.
 ZPRP: 400.0000 IN.
 SCALE: .0190 SCALE



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

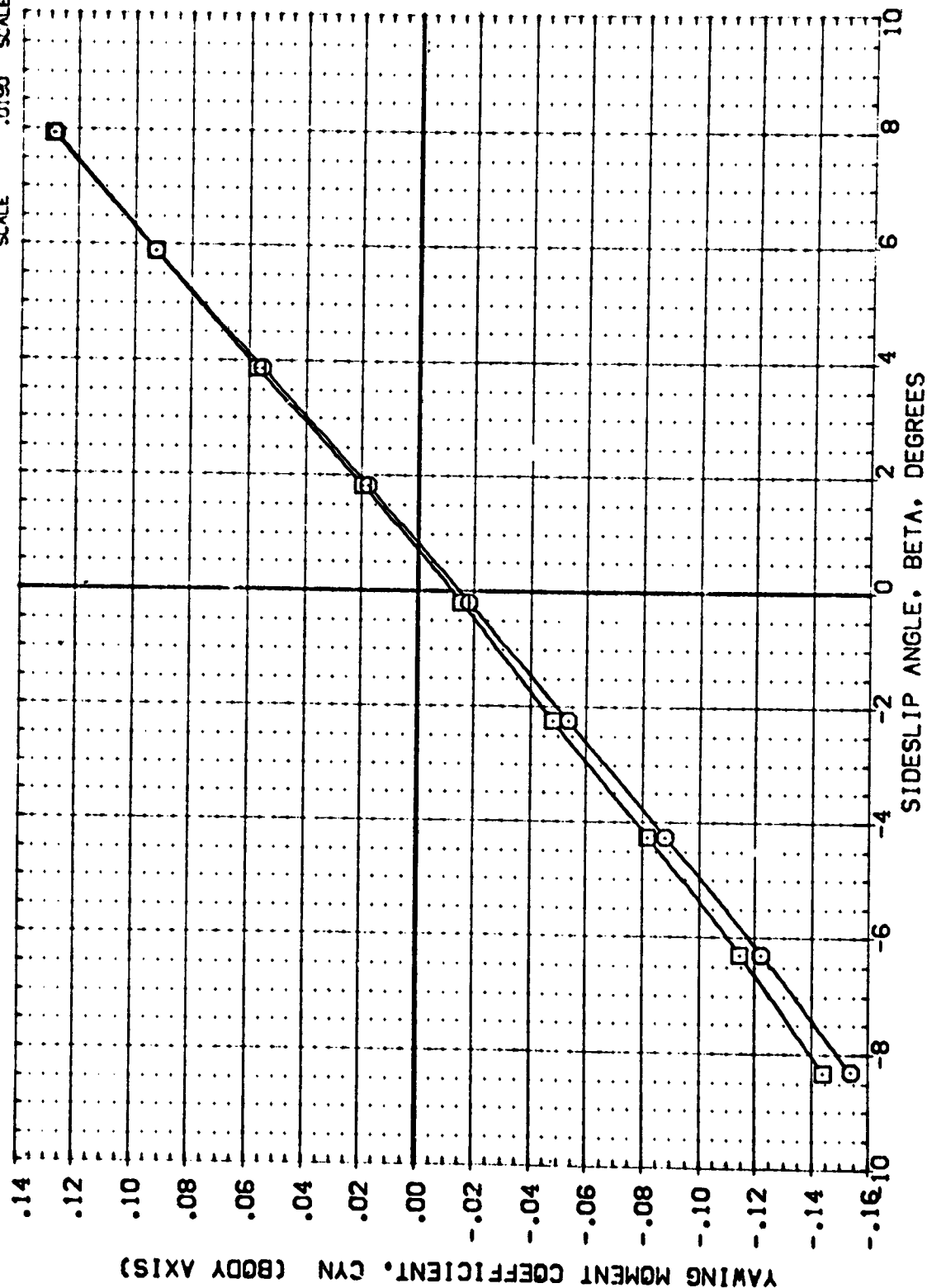
(A)MACH = 1.55

DATA SET SYMBOL: (BBV033) (BBV039)

CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1 POWER OFF] ARC 97-710 [A128 01 T1 S1 CRB ON, SRPR-NOMINAL]

DPR: .433 SRPR: .469 POWER: .000 10.000 10.000

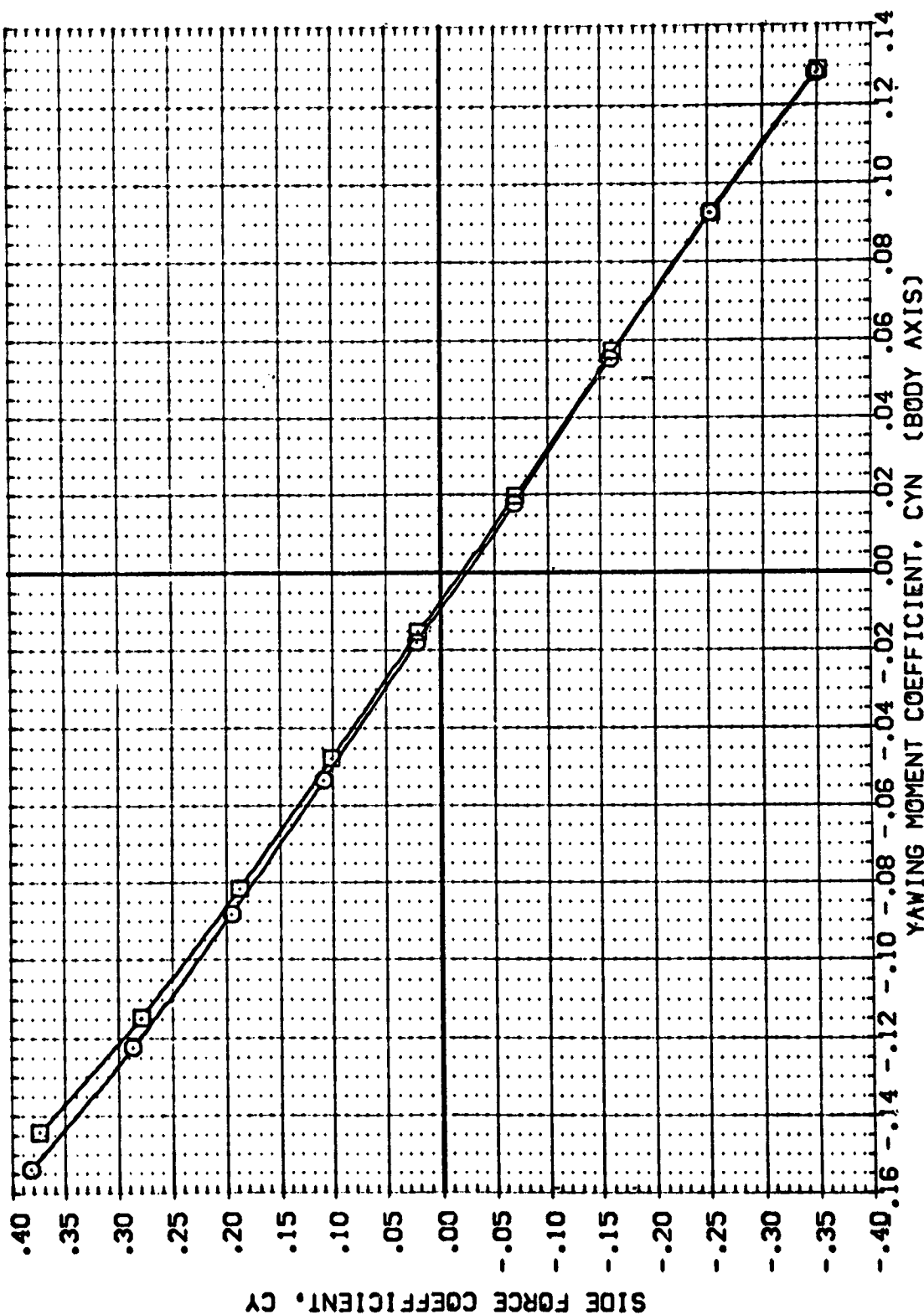
REFERENCE INFORMATION: SREF: 2690.0000 SQ.FT. LREF: 1328.0000 IN. BREF: 1328.0000 IN. XPRP: 953.0000 IN. YPRP: 400.0000 IN. ZPRP: 400.0000 IN. SCALE: .0190 SCALE



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(MACH = 1.55)

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		DPR		SRPR		POWER		RUDDER		REFERENCE INFORMATION	
{BBVQ33}		ARC 97-710 [A]28 01 T1 S1 POWER OFF		.433		.469		.000		10.000		SREF 2690.0000 SQ.FT.	
{BBVQ39}		ARC 97-710 [A]28 01 T1 S1 CR8 ON SRPR-NOMINAL						1.000		10.000		LREF 1328.0000 IN.	
												BREF 1328.0000 IN.	
												XPRP 953.0000 IN.	
												YPRP 400.0000 IN.	
												ZPRP 400.0000 IN.	
												SCALE .0190	



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV035) ARC 97-710 [A] 28 01 T1 S1 POWER OFF

(BBV037) ARC 97-710 [A] 28 01 T1 S1 DRB ON, SRPR-NOMINAL

SRPR .409

POWER .000

RUDDER 10.000

10.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

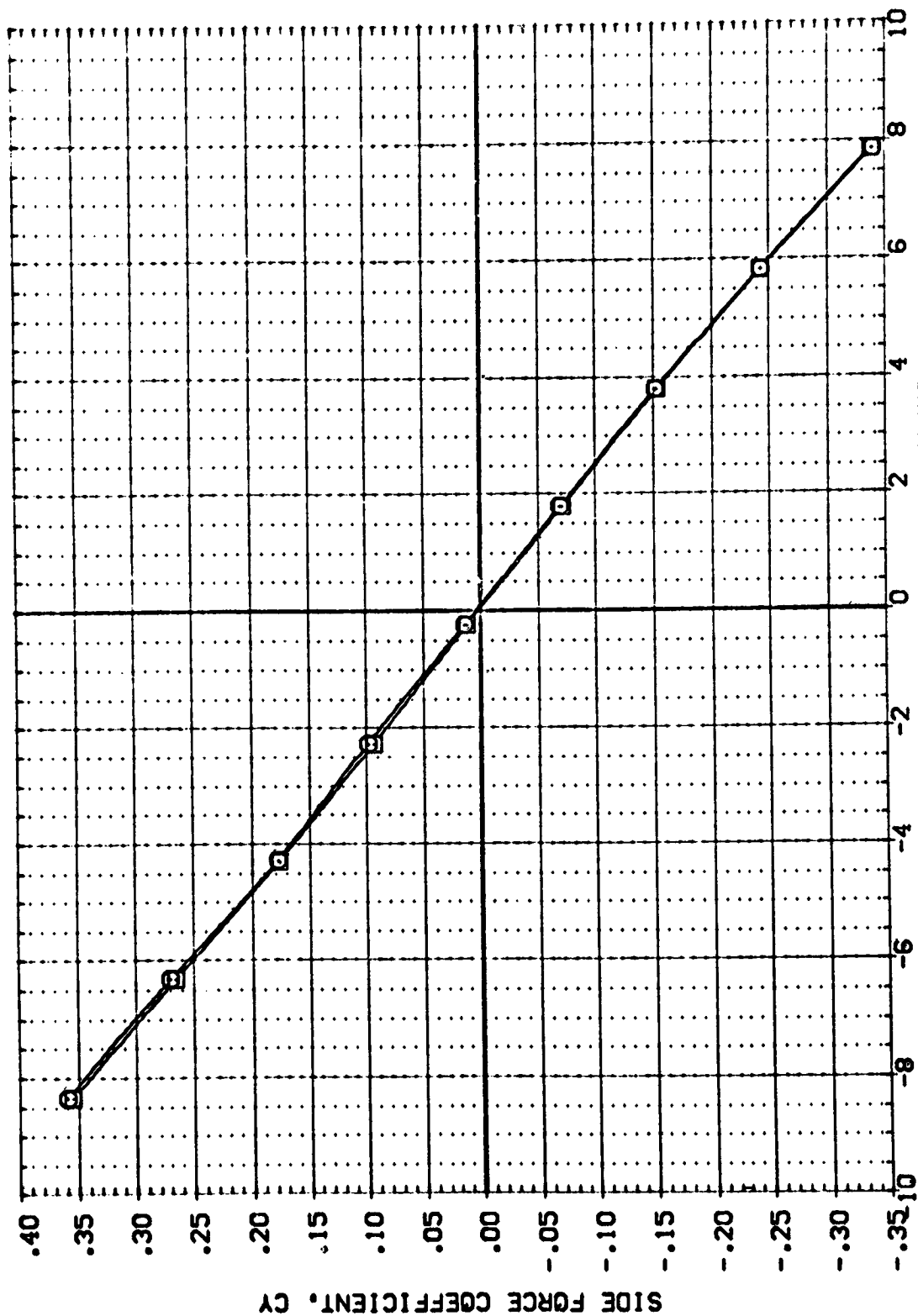
BREF 1328.0000 IN.

XPRP 553.0000 IN.

YPRP 400.0000 IN.

ZPRP 400.0000 IN.

SCALE 1:90



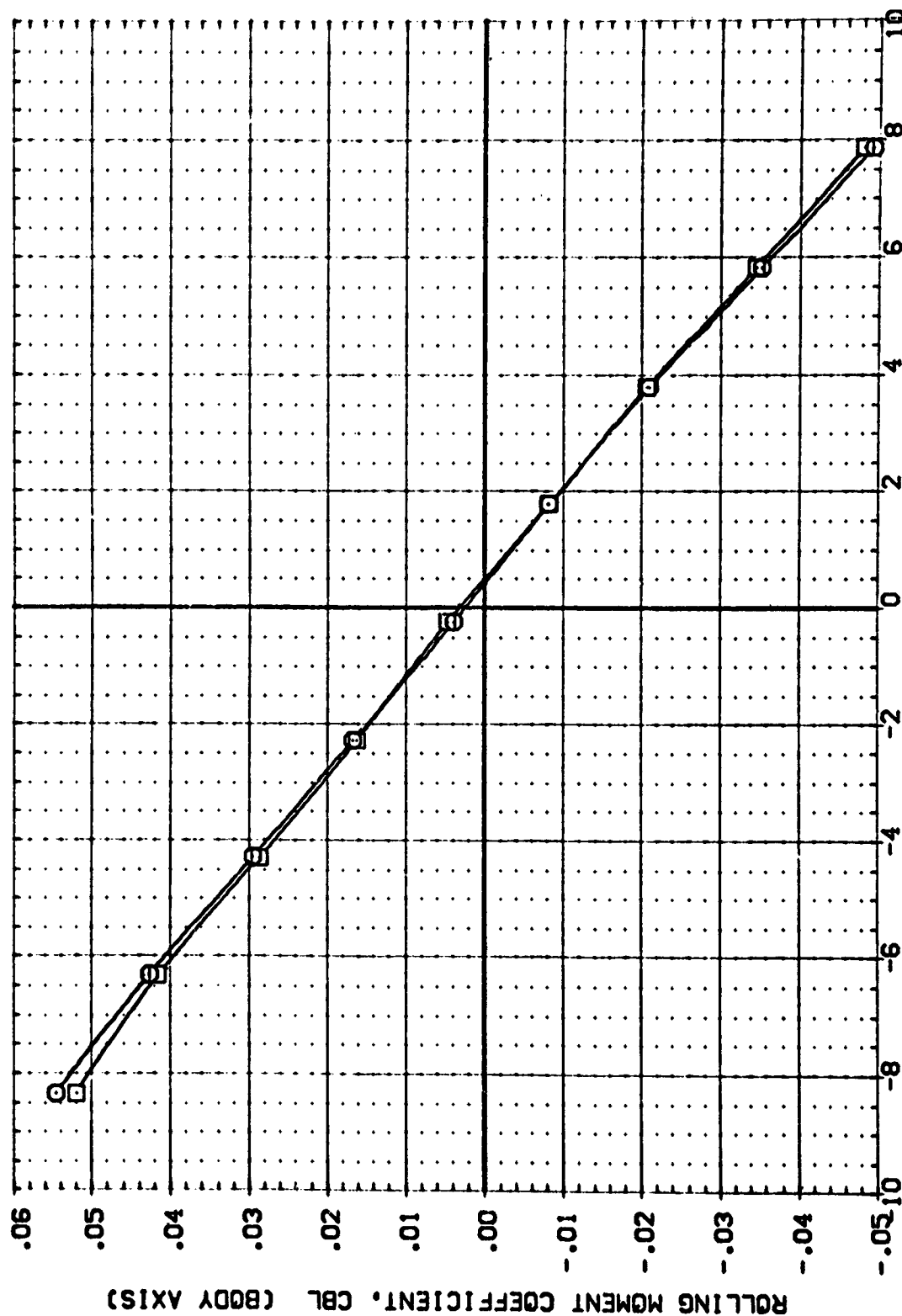
SIDESLIP ANGLE, BETA, DEGREES

PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(BBV035)	ARC 97-710 [A128 01 T1 S1] POWER OFF	.409	.557	.000	10.000	SREF 2690.0000 SQ. FT.
(BBV037)	ARC 97-710 [A128 01 T1 S1] PRB ON, SRPR-NOMINAL			1.000	10.000	LREF 1328.0000 IN.
						SREF 1328.0000 IN.
						XMRP 953.0000 IN.
						YMRP 400.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

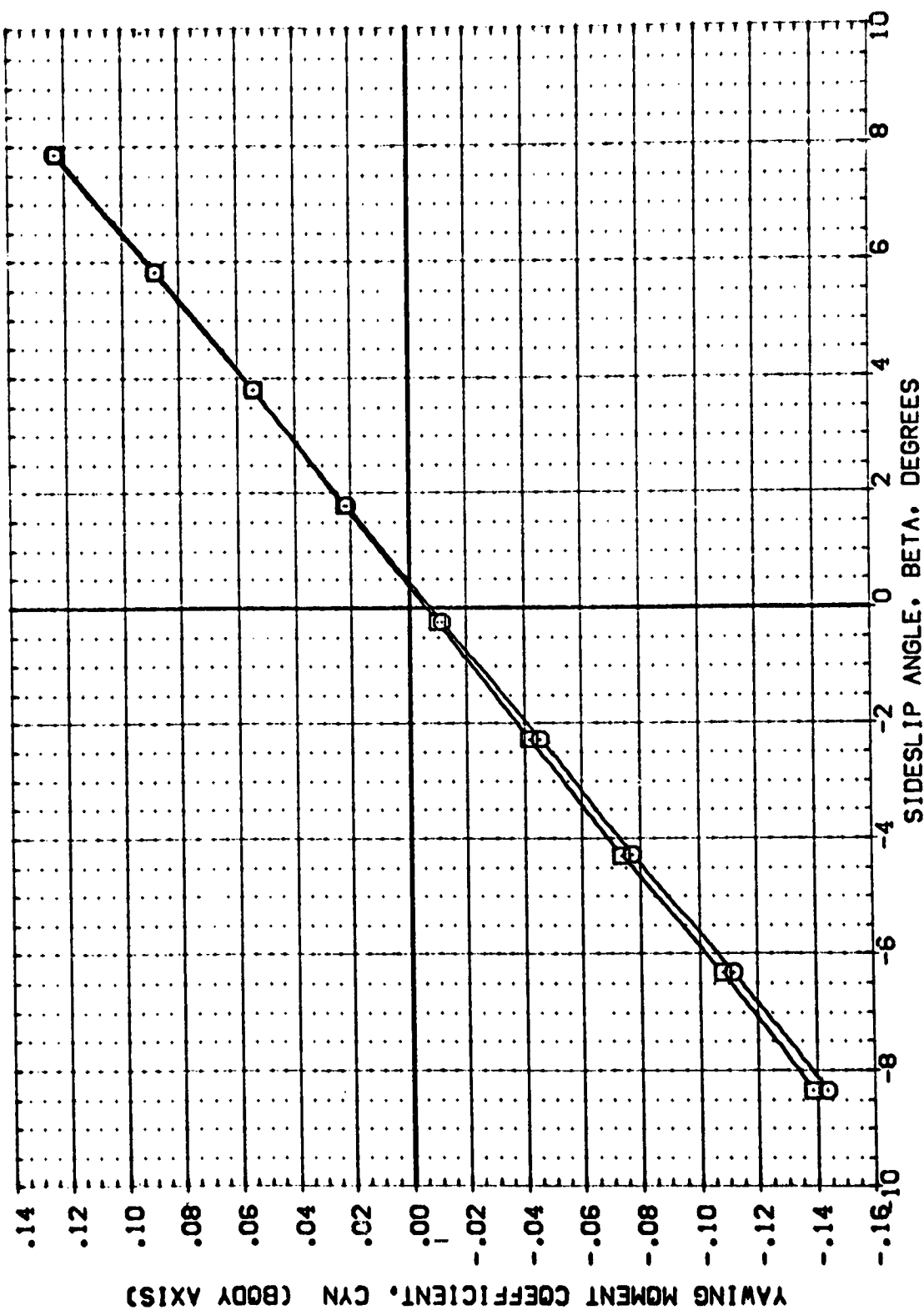
(A)MACH = 2.00

DATA SET SYMBOL: (88V035) (88V037) □

CONFIGURATION DESCRIPTION: ARC 97-710 [A128 01 T1 S1] POWER OFF
 ARC 97-710 [A128 01 T1 S1] OPS ON, SRPR-NOMINAL

OPR: .409 SRPR: .557 POWER: .000 1.000 RUDDER: 10.000 10.000

REFERENCE INFORMATION: SREF: 2690.0000 SO.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: .0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190



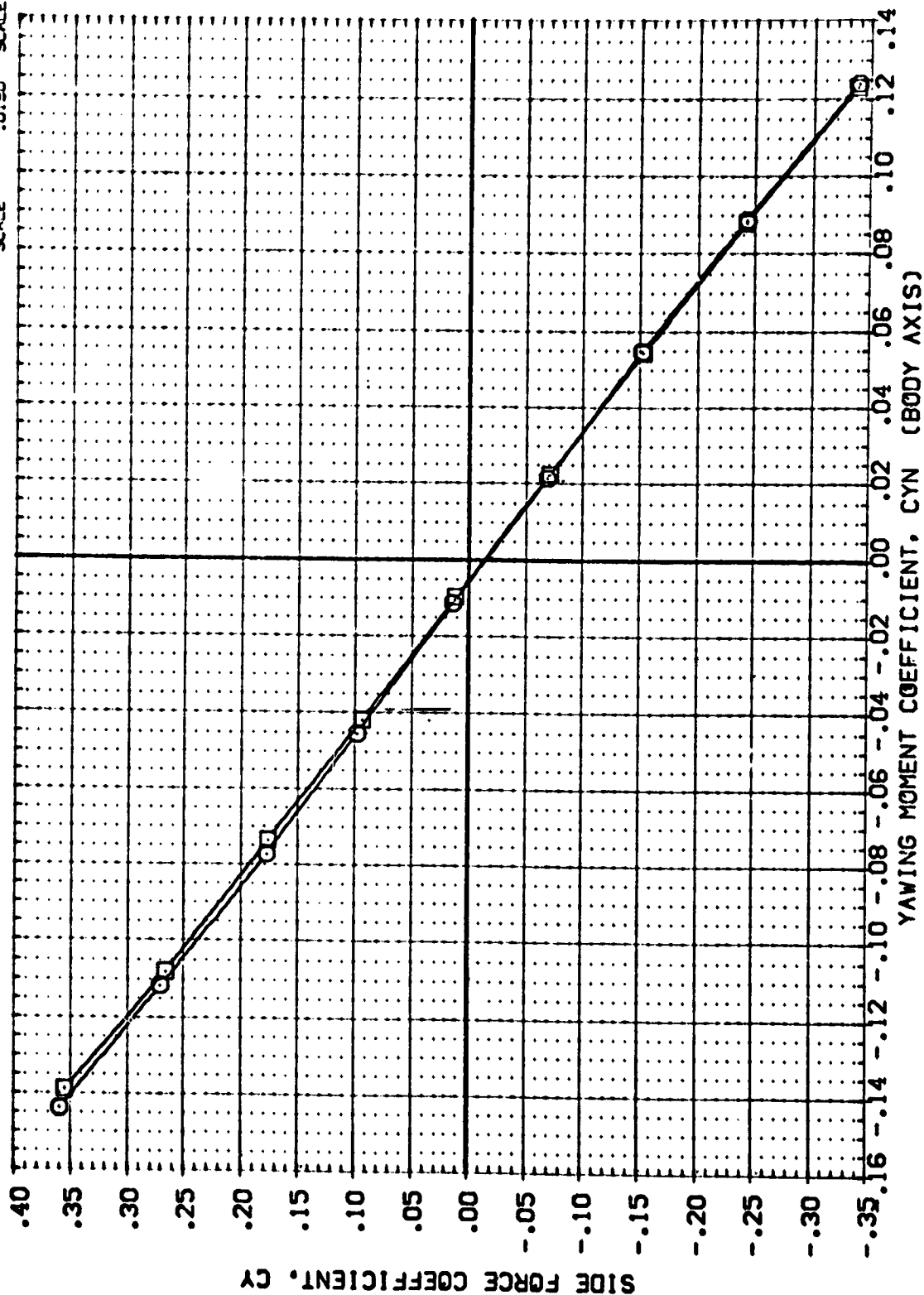
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL: (BBV035) (BBV037)
 CONFIGURATION DESCRIPTION: ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 CTS ON, SRPR-NOMINAL

DPR .409
 SRPR .557
 POWER 1.000
 RUDDER 10.000

REFERENCE INFORMATION
 SREF 2650.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0150



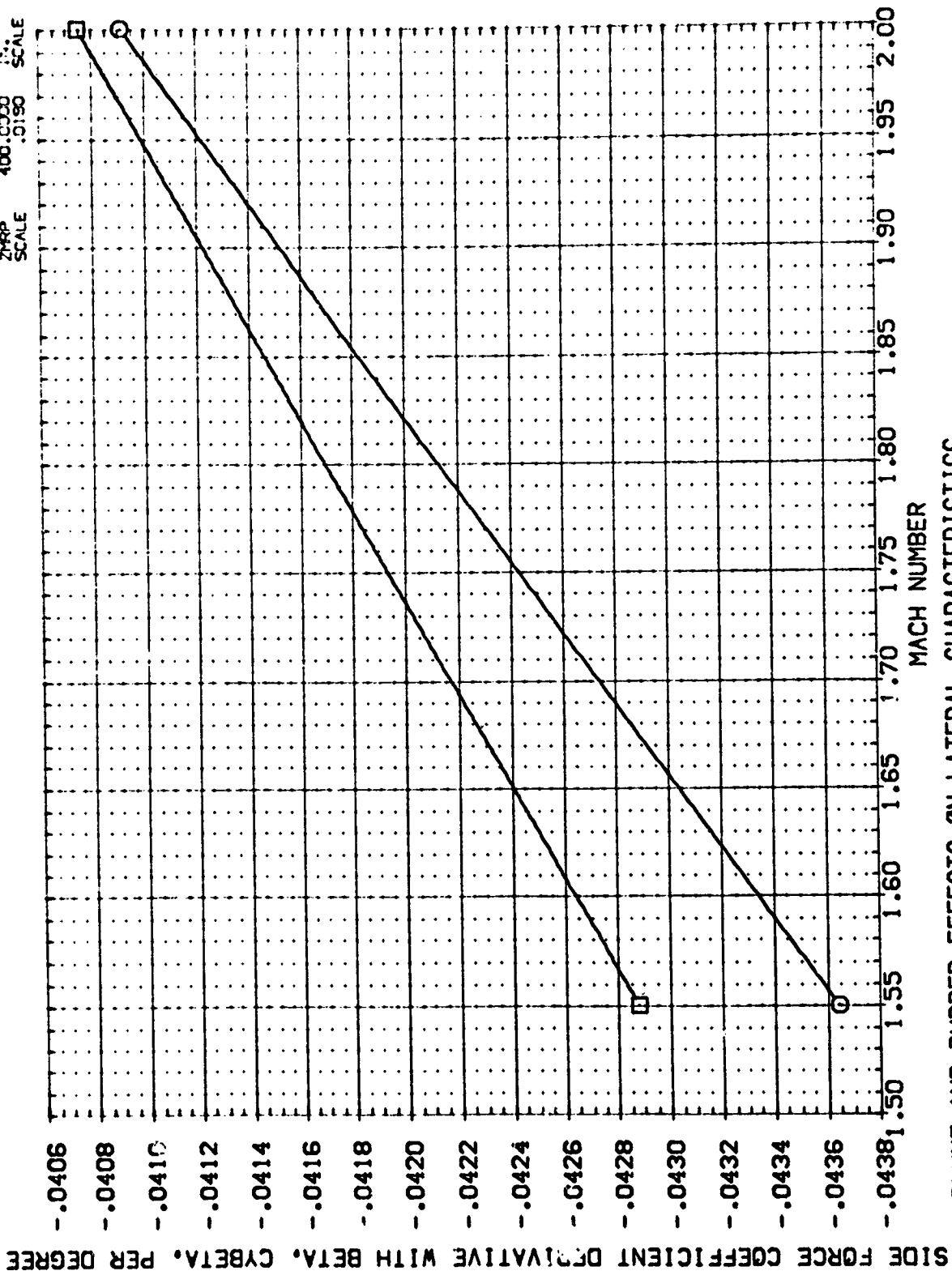
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 N.
 BREF 1328.0000 N.
 XMRP 953.0000 N.
 YMRP 400.0000 N.
 ZMRP 0.0000 N.
 SCALE 0.0190 SCALE

POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 10.000 1.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (GBV033) [] ARC 97-710 1A128 01 T1 S1 POWER OFF
 (GBV035) [] ARC 97-710 1A128 01 T1 S1 ORB ON: S1MRP-NOMINAL



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(GB/033) [] ARC 97-710 [A] 28 [C] 1 [T] S1 POWER OFF

(GB/039) [] ARC 97-710 [A] 28 [C] 1 [T] S1 CSB ON SRPR-NOMINAL

POWER RUDDER GIMBAL

0.000 10.000 1.000

1.000 10.000 1.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.

LREF 1378.0000 IN.

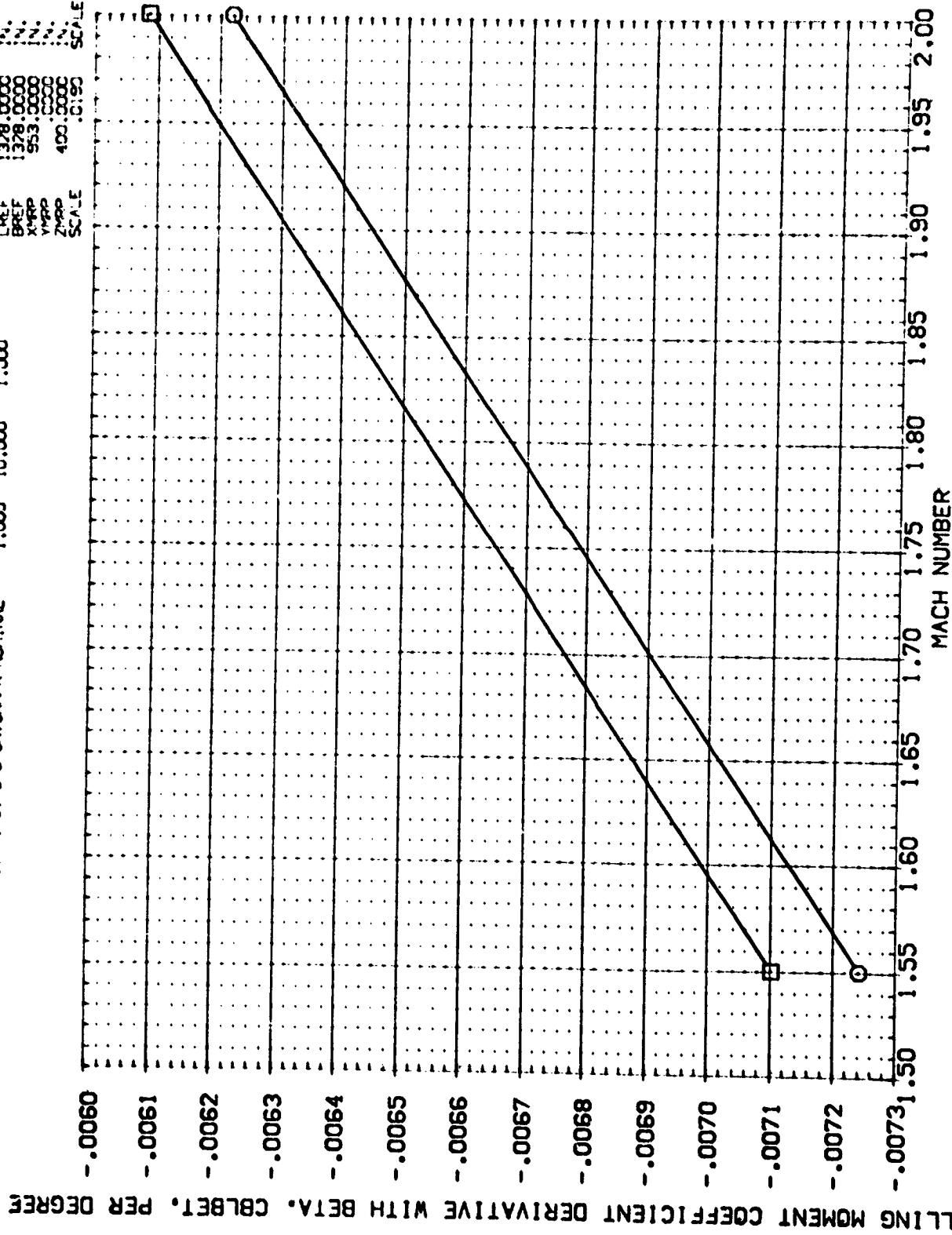
BREF 1378.0000 IN.

XMRP 953.0000

YMRP 400.0000

ZMRP 0.0000

SCALE 0.150 SCALE



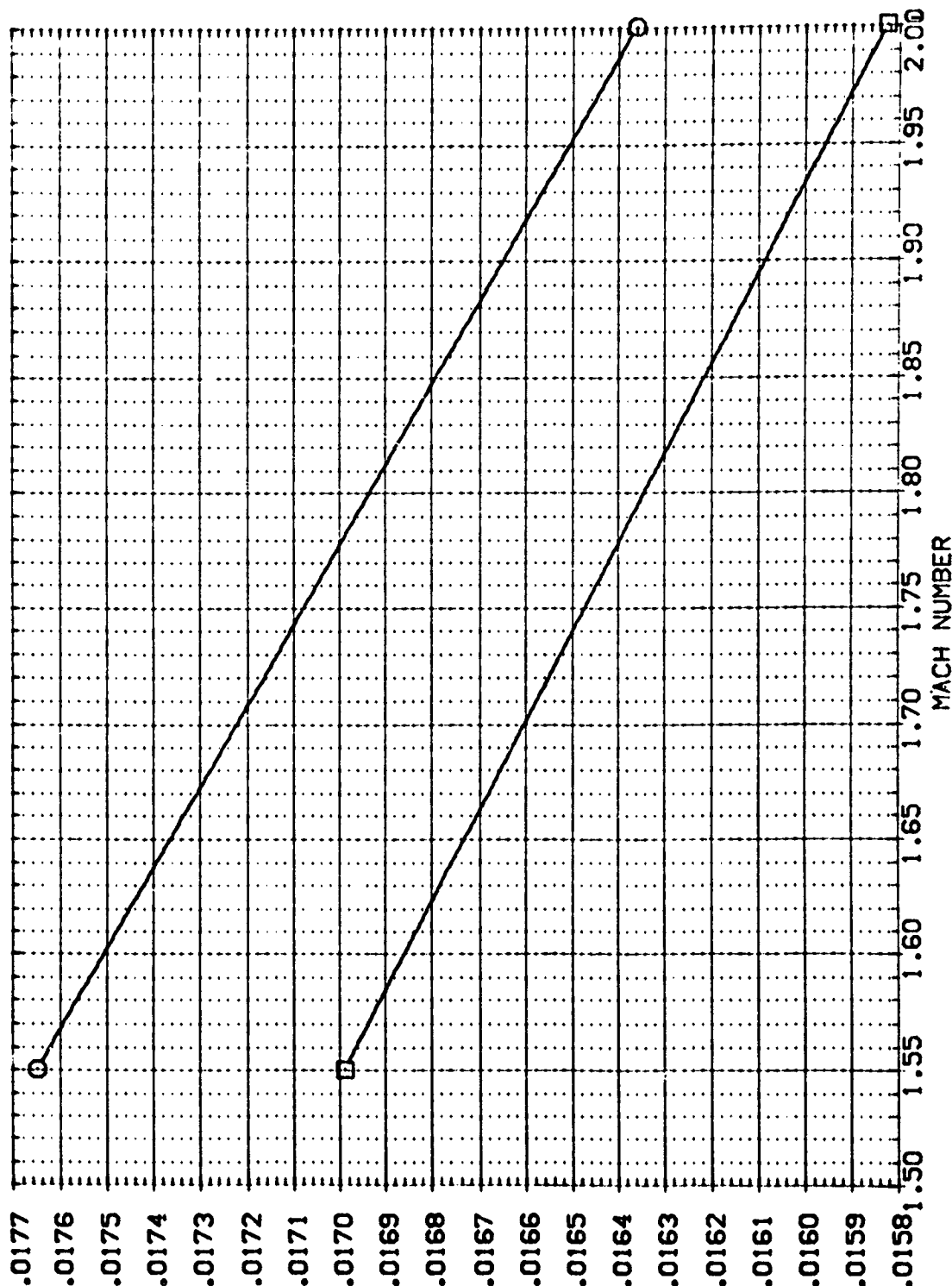
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [GBV033] [GBV033] ARC 57-710 [A128 01 T1 S1 POWER OFF
 [GBV033] [GBV033] ARC 57-710 [A128 01 T1 S1 DRB ON, SRPPR-NOMINAL

POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 10.000 1.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 YMRP 953.0000 IN.
 ZMRP 0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE

YAWING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CYNBET, PER DEGREE



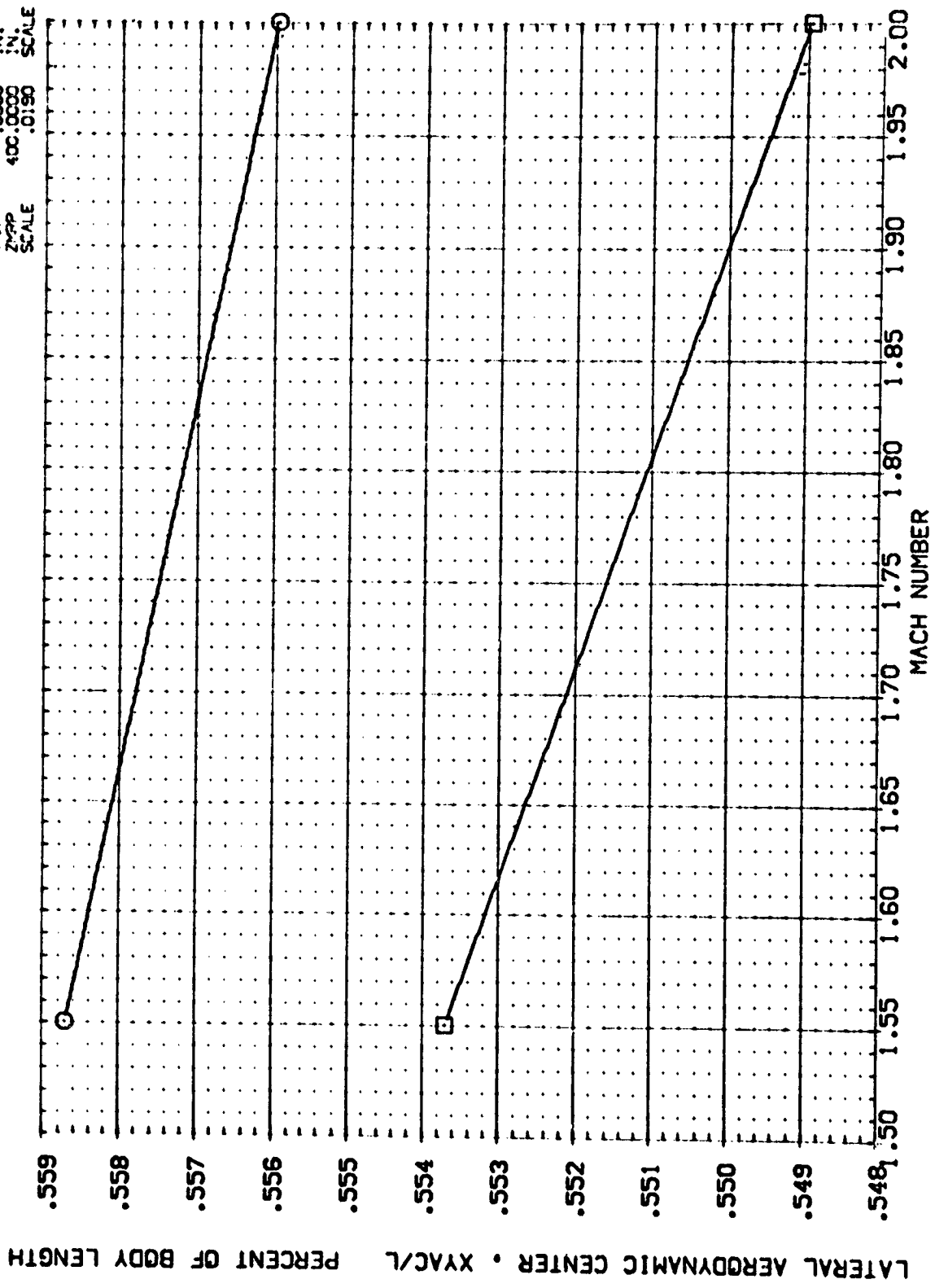
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL: (GB/C33) (GB/C38)

CONFIGURATION DESCRIPTION:
 ARC 97-710 [A:28 01 T] S1 POWER OFF
 ARC 97-710 [A:28 01 T] S1 DRG ON, S1-PR-NOMINAL

POWER: .000 10.000 1.000
 RUDDER: 10.000 10.000 1.000
 GIMBAL: 1.000 1.000 1.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ. FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: 400.0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0190 SCALE

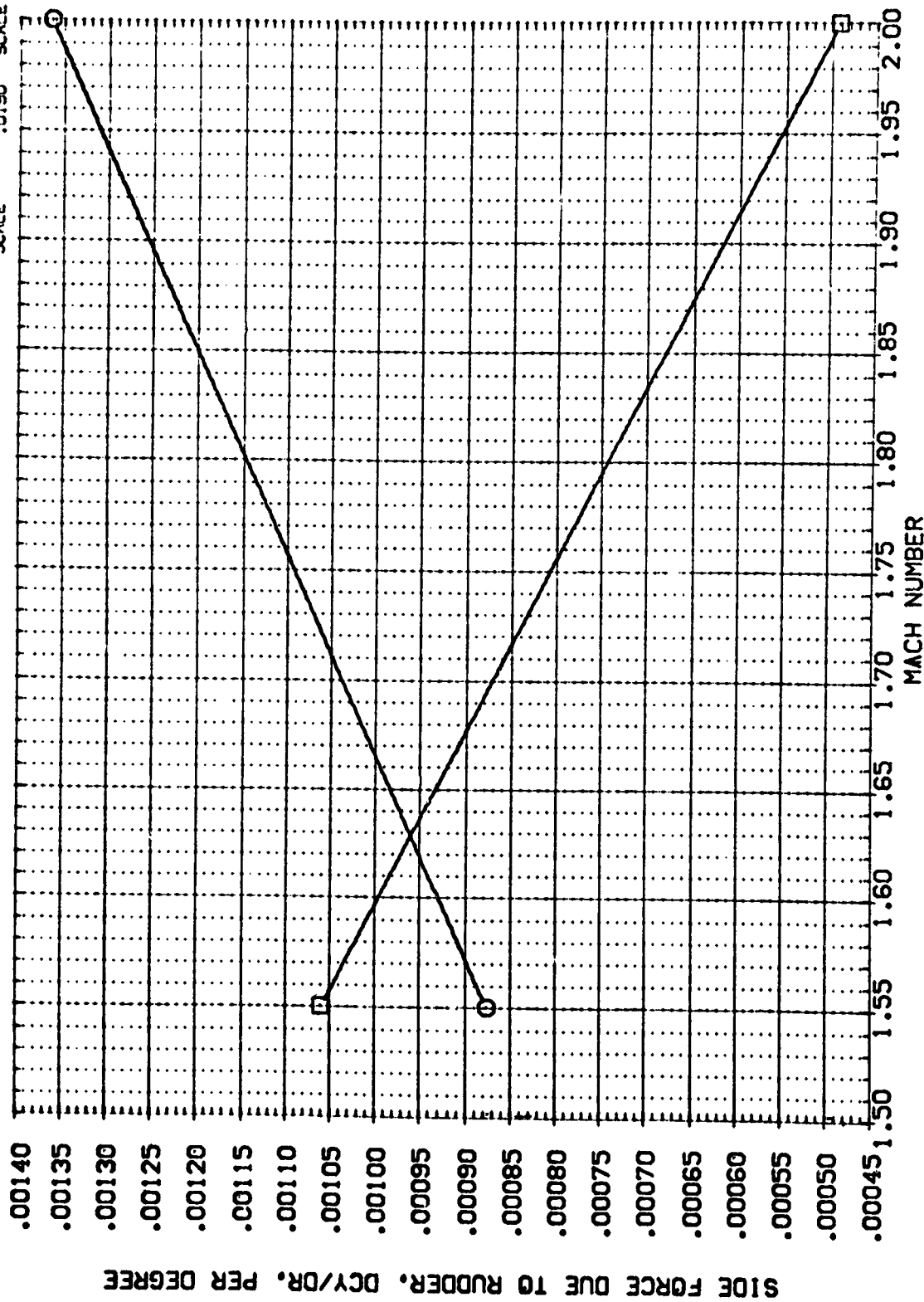


PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (+8V033) ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 (+8V038) ARC 97-710 [A] 28 01 T1 S1 ORB ON SRPR-NOMINAL

POWER GIMBAL DR
 .000 1.000 10.000
 1.000 10.000

REFERENCE INFORMATION
 SREF 2550.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP .0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0150 SCALE



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)BETA = .00

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER GIMBAL DR

(+8V033) ARC 97-710 1A128 01 T1 S1 POWER OFF 10.000

(+8V033) ARC 97-710 1A128 01 T1 S1 DRB ON, SRPR-NOMINAL 1.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

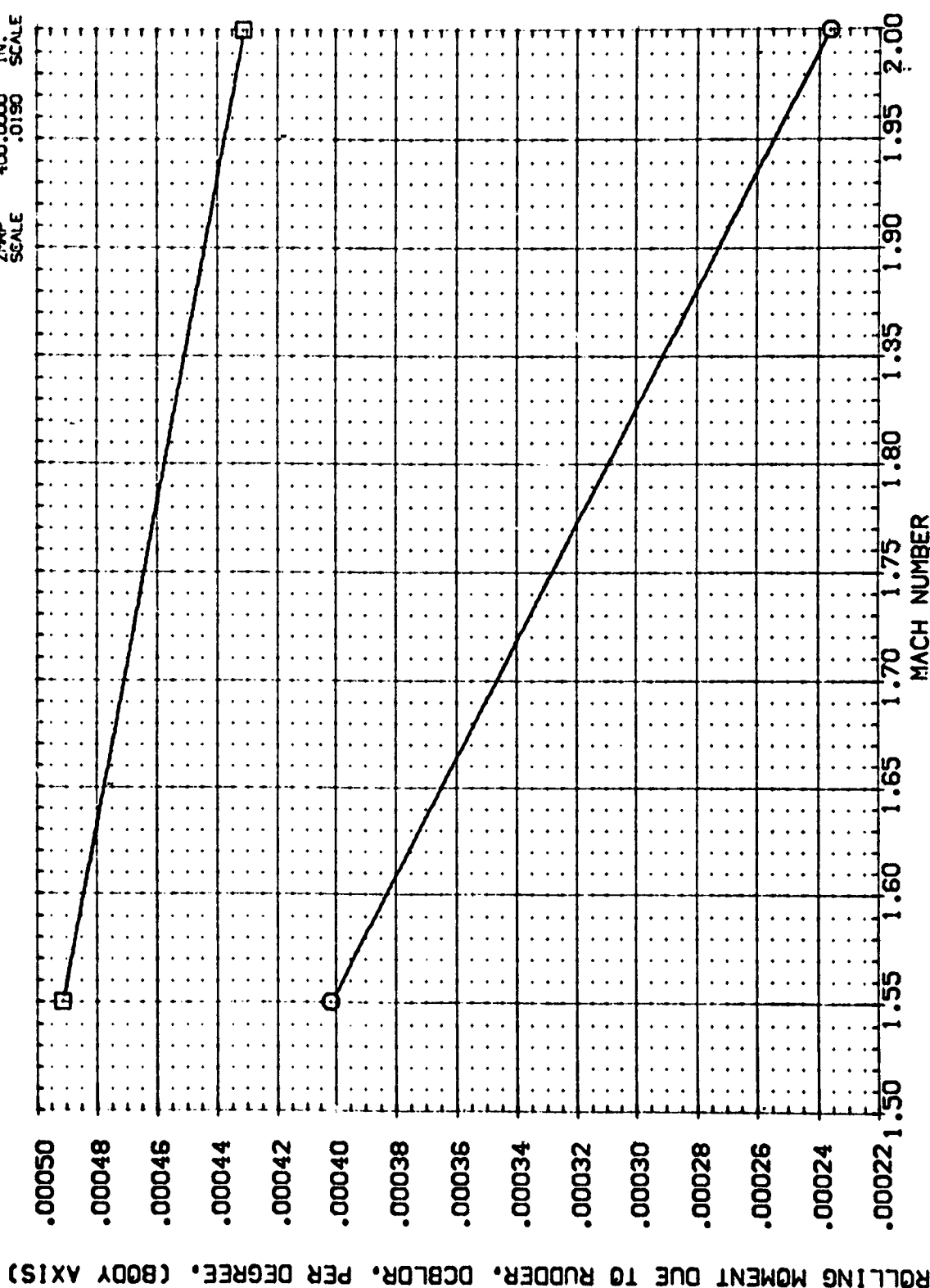
BREF 1328.0000 IN.

XMRP 953.0000 IN.

YMRP 0.0000 IN.


ZMRP 400.0000 IN.

SCALE .0190 SCALE



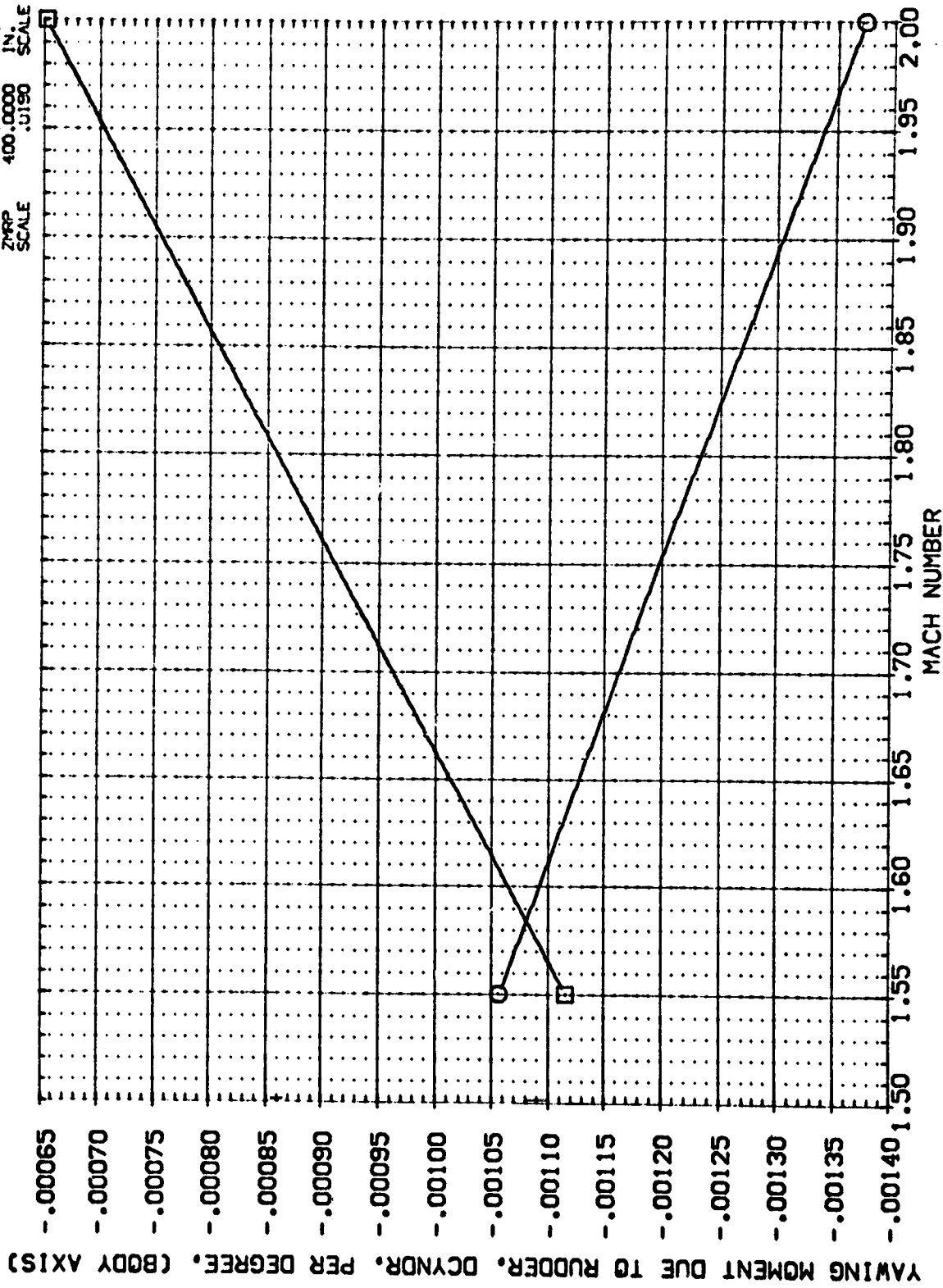
PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(ALBETA = .00

DATA SET SYMBOL:  CONFIGURATION DESCRIPTION:
 ARC 97-710 1A128 01 11 S1 POWER OFF
 ARC 97-710 1A128 01 11 S1 ORB ON, SRRPR-NOMINAL

POWER GIMBAL DR
 .000 1.000 10.000
 1.000 10.000

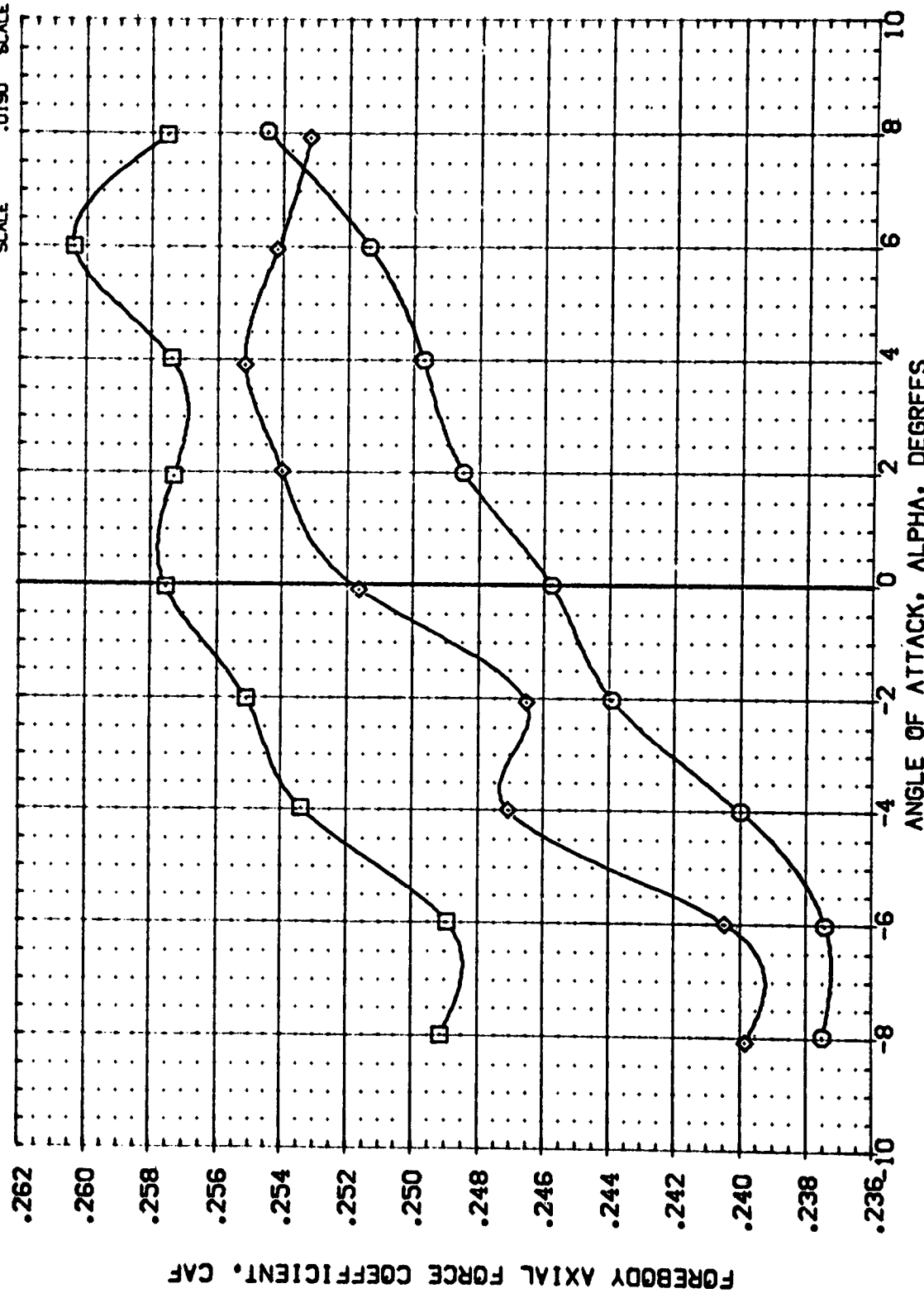
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE



PLUME AND RUDDER EFFECTS ON LATERAL CHARACTERISTICS

(A)BETA = .00

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		DPR		SWPR		POWER		GIMBAL		REFERENCE INFORMATION	
(CBV022)	□	ARC 97-710	1A128 01 T1	SI	POWER OFF			.000	1.000	SREF	2690.0000	SO.FT.	
(CBV028)	◇	ARC 97-710	1A128 01 T1	SI	DRB ON, SWPR-2.24XNDH	.433	1.050	1.000	1.000	LREF	1328.0000	IN.	
(CBV044)	◇	ARC 97-710	1A128 01 T1	SI	DRB ON, SWPR-2.24XNDH	.433	1.050	1.000	2.000	BREF	1328.0000	IN.	
										XMRP	953.0000	IN.	
										YMRP	400.0000	IN.	
										ZMRP	400.0000	IN.	
										SCALE	.0150	SCALE	



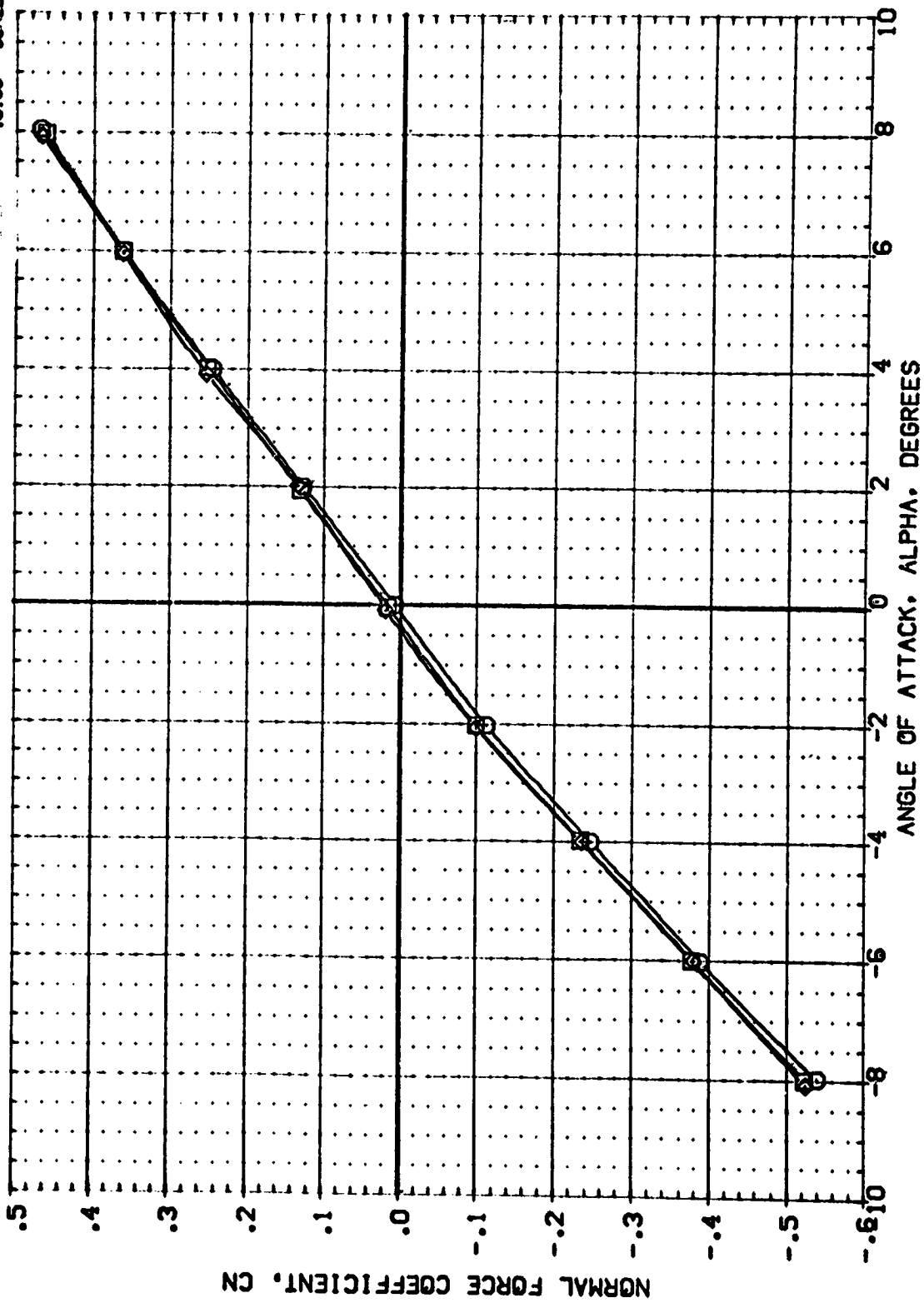
FOREBODY AXIAL FORCE COEFFICIENT, CAF

ANGLE OF ATTACK, ALPHA, DEGREES

PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL		CONFIGURATION DESCRIPTION				OPR	SRMPR	POWER	GIMBAL	REFERENCE INFORMATION		
(CBV022)	ARC 97-710	1A128	01	11	SI	POWER OFF				SREF	2690.0000	50.FT.
(CBV028)	ARC 97-710	1A128	01	11	SI	OPR ON: SRMPR=2.24XGOM	.433	1.050	1.000	LREF	1328.0000	IN.
(CBV044)	ARC 97-710	1A128	01	11	SI	OPR ON: SRMPR=2.24XGOM	.433	1.050	2.000		1328.0000	IN.
											953.0000	IN.
											400.0000	IN.
												SCALE
												.019C



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

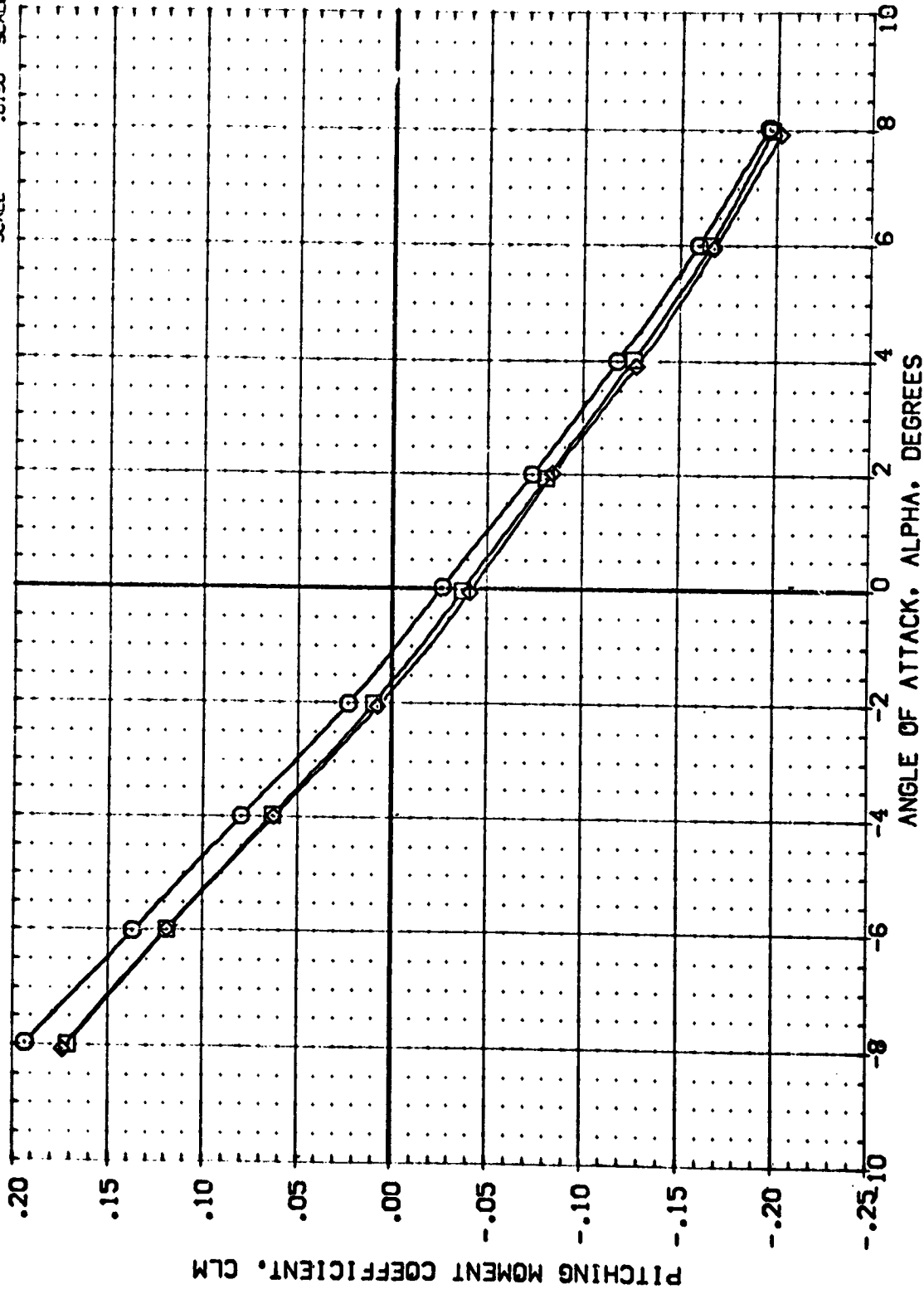
DATA SET SYMBOL CONFIGURATION DESCRIPTION

ARC 97-710 1A128 01 11 S1 POWER OFF
 ARC 97-710 1A128 01 11 S1 ORB ON, SRPR-2.24XNDM
 ARC 97-710 1A128 01 11 S1 ORB ON, SRPR-2.24XNDM

OPR SRPR POWER GIMBAL

.433 1.050 .000 1.000 2.000

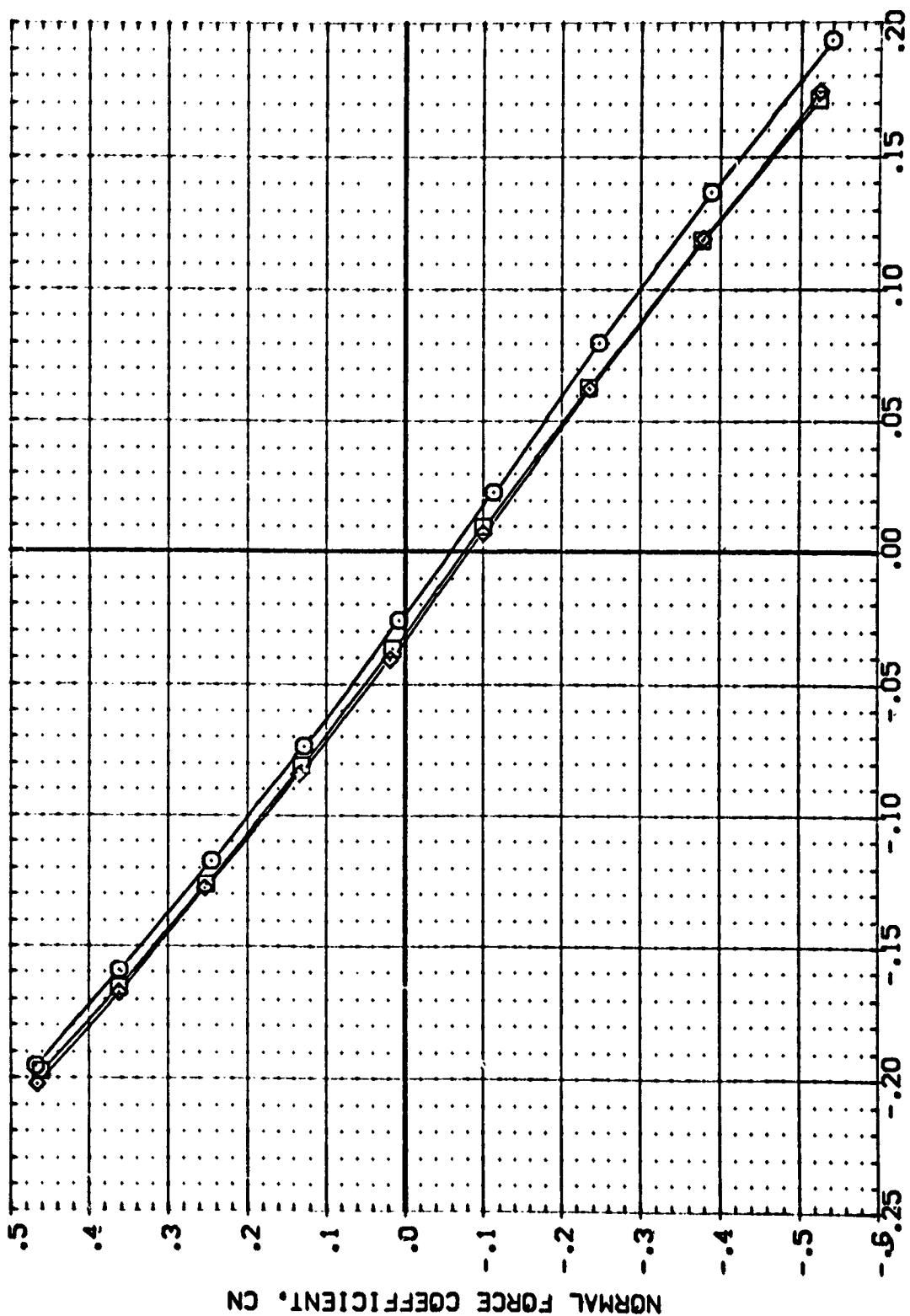
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XTRP 553.0000 IN.
 YTRP 400.0000 IN.
 ZTRP 400.0000 IN.
 SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SWPR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV022)	ARC 97-710 1A128 01 11 S1 POWER OFF			1.000	1.000	SREF 2690.0000 SQ.FT.
(CBV028)	ARC 97-710 1A128 01 11 S1 OPR ON, SWPR=2.24X10CH	.433	1.050	1.000	1.000	LREF 1328.0000 IN.
(CBV044)	ARC 97-710 1A128 01 11 S1 OPR ON, SWPR=2.24X10CH	.433	1.050	1.000	12.000	BREF 1328.0000 IN.
						YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CBV021)
(CBV031)
(CBV049)

ARC 97-710 [A128 01 T1 S1] POWER OFF
ARC 97-710 [A128 01 T1 S1] 058 ON, SPPR-2.24MMCH
ARC 97-710 [A128 01 T1 S1] 058 ON, SPPR-2.24MMCH

DPR SPPR

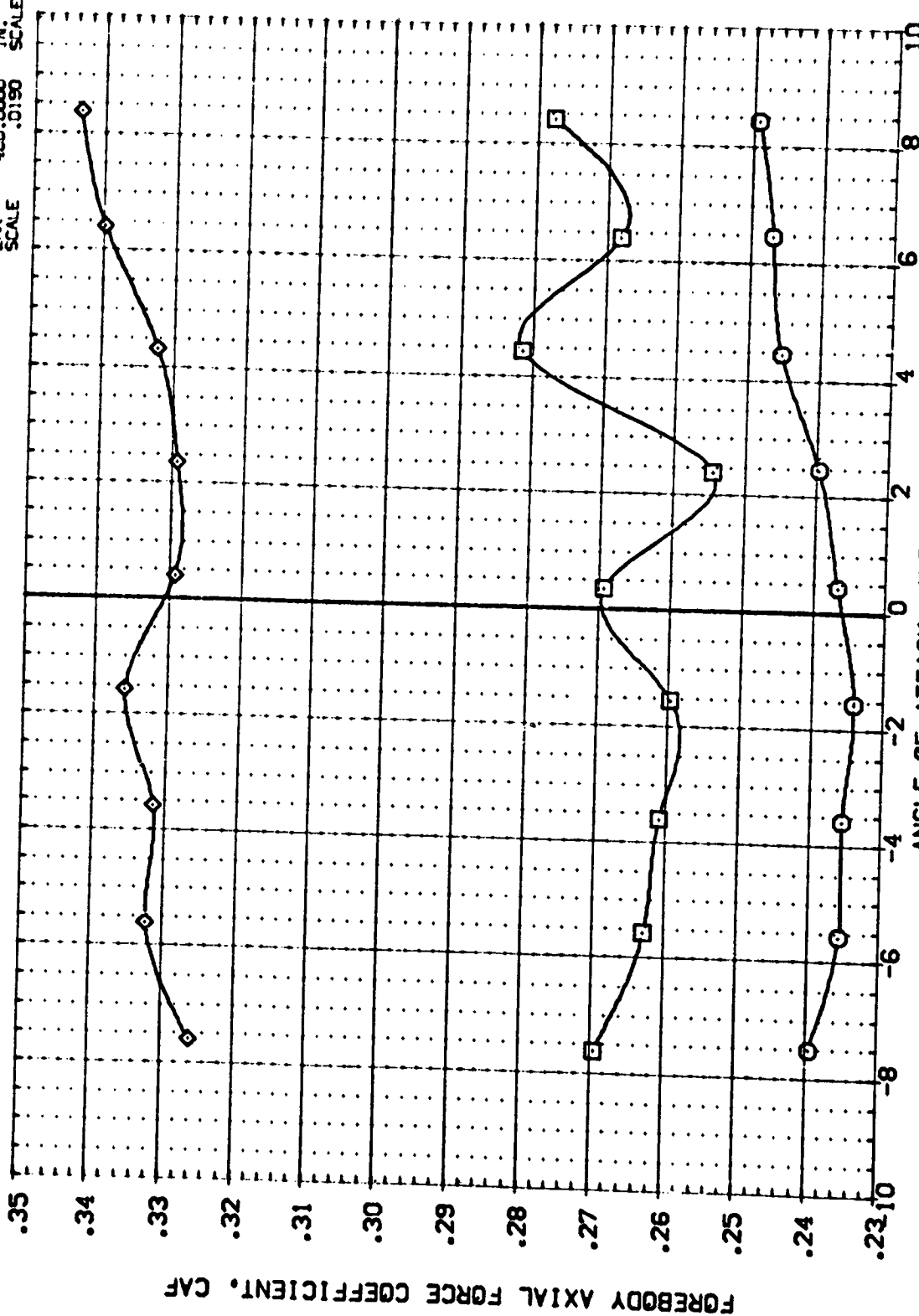
.409 1.245
.409 1.245

GIMBAL

1.000 1.000
1.000 2.000

REFERENCE INFORMATION

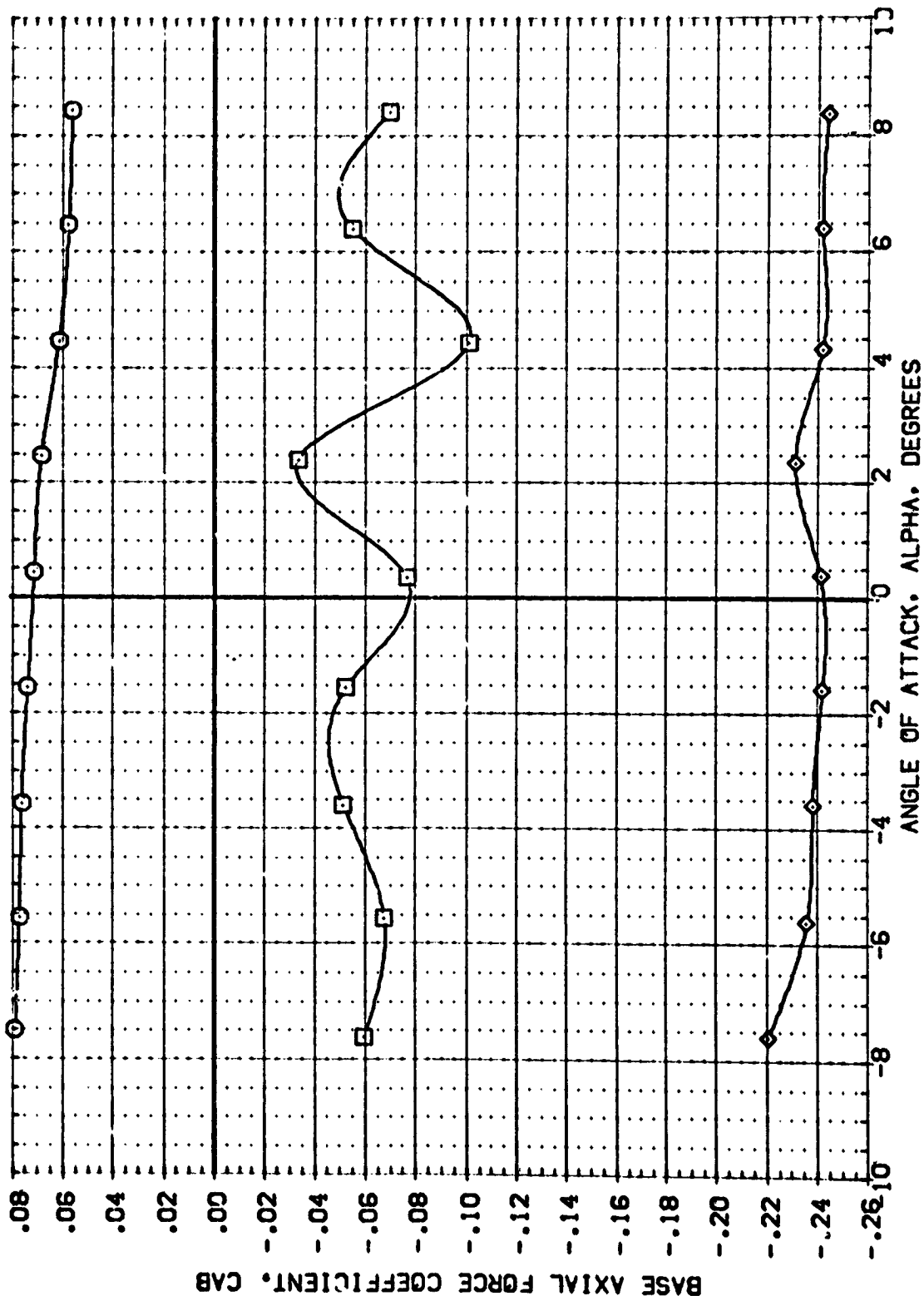
SREF 2650.0000 SQ.FT.
LREF 1328.0000 IN.
BREF 1328.0000 IN.
XMRP 953.0000 IN.
YMRP 400.0000 IN.
ZMRP 400.0000 IN.
SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(C9V021)	ARC 97-710 [A128 01 T1 S1] POWER OFF					SREF 2690.0000 SQ.FT.
(C9V031)	ARC 97-710 [A128 01 T1 S1] DRS ON, SRPR=2.24WOM	.409	1.245	1.000	1.000	LREF 1328.0000 IN.
(C9V049)	ARC 97-710 [A128 01 T1 S1] DRS ON, SRPR=2.24WOM	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
						XMRP .0000 IN.
						YMRP .0000 IN.
						ZMRP .0000 IN.
						SCALE .0190

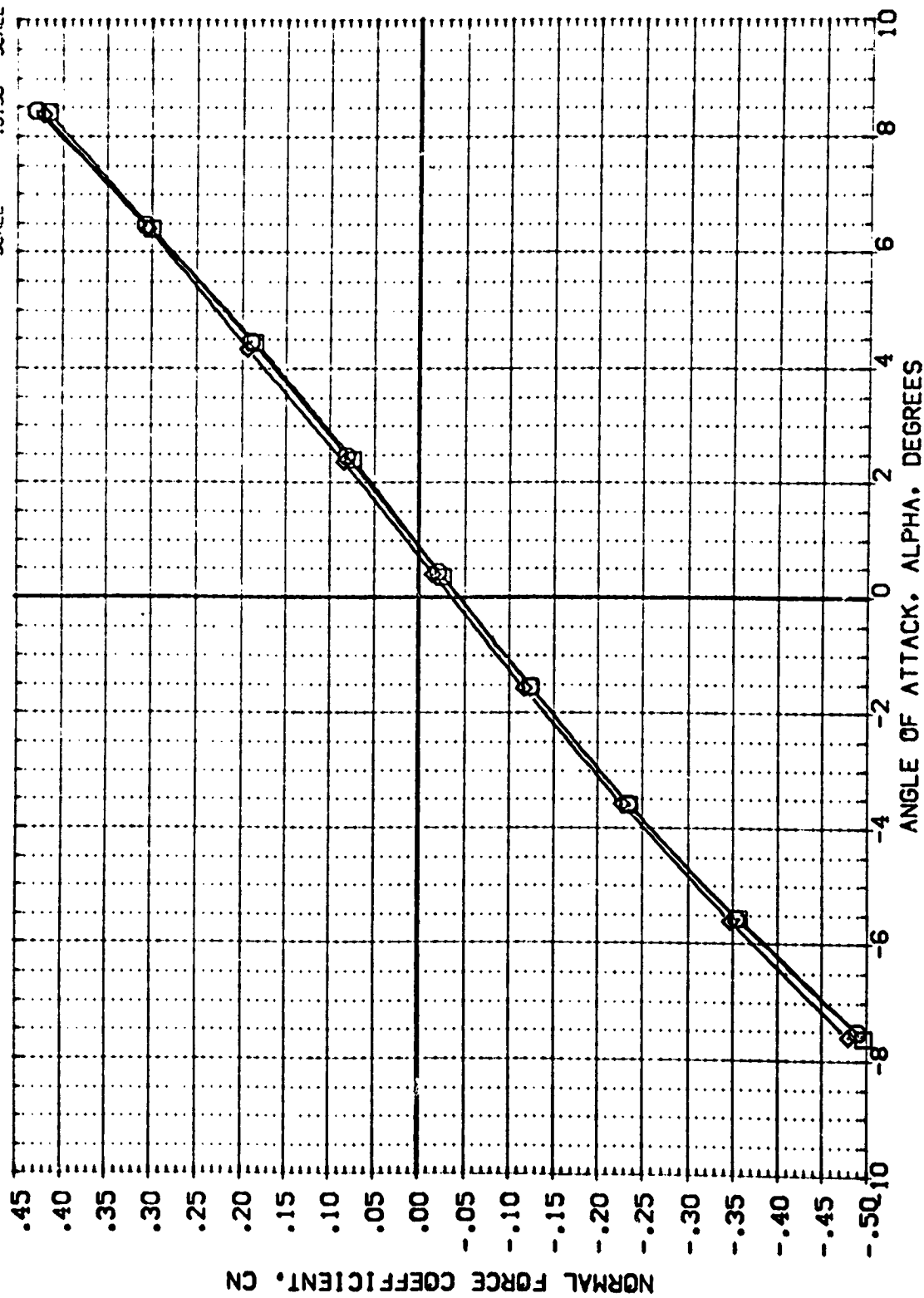


PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(MACH = 2.00)

DATA SET SYMBOL CONFIGURATION DESCRIPTION DFR SRPR POWER GIMBAL REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DFR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV021)	ARC 97-710 IAI28 01 T1 S1 POWER OFF	.409	1.245	.000	1.000	SREF 2690.0000 50.FT.
(CBV031)	ARC 97-710 IAI28 01 T1 S1 ORG ON SRPR=2.24XNDH	.409	1.245	1.000	1.000	LREF 1328.0000 IN.
(CBV049)	ARC 97-710 IAI28 01 T1 S1 ORG ON SRPR=2.24XNDH	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
						YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

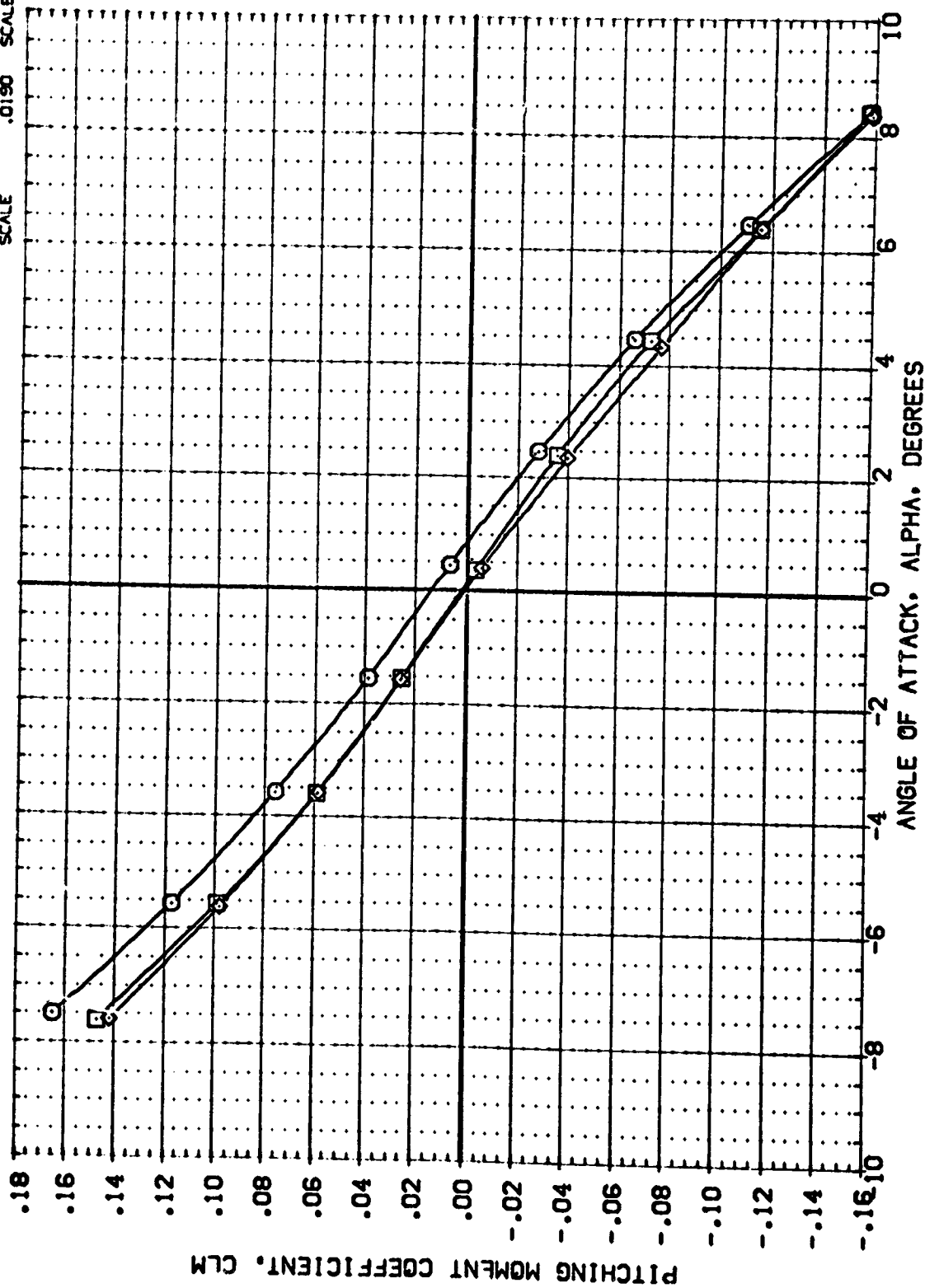
(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CBV021) ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 (CBV031) ARC 97-710 [A] 28 01 T1 S1 ORB ON, SRPR-2.24XNDH
 (CBV049) ARC 97-710 [A] 28 01 T1 S1 ORB ON, SRPR-2.24XNDH

OPR SRPR POWER GIMBAL
 .408 1.245 .000 1.000
 .409 1.245 1.000 2.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 400.0000 IN.
 SCALE .0150 SCALE



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

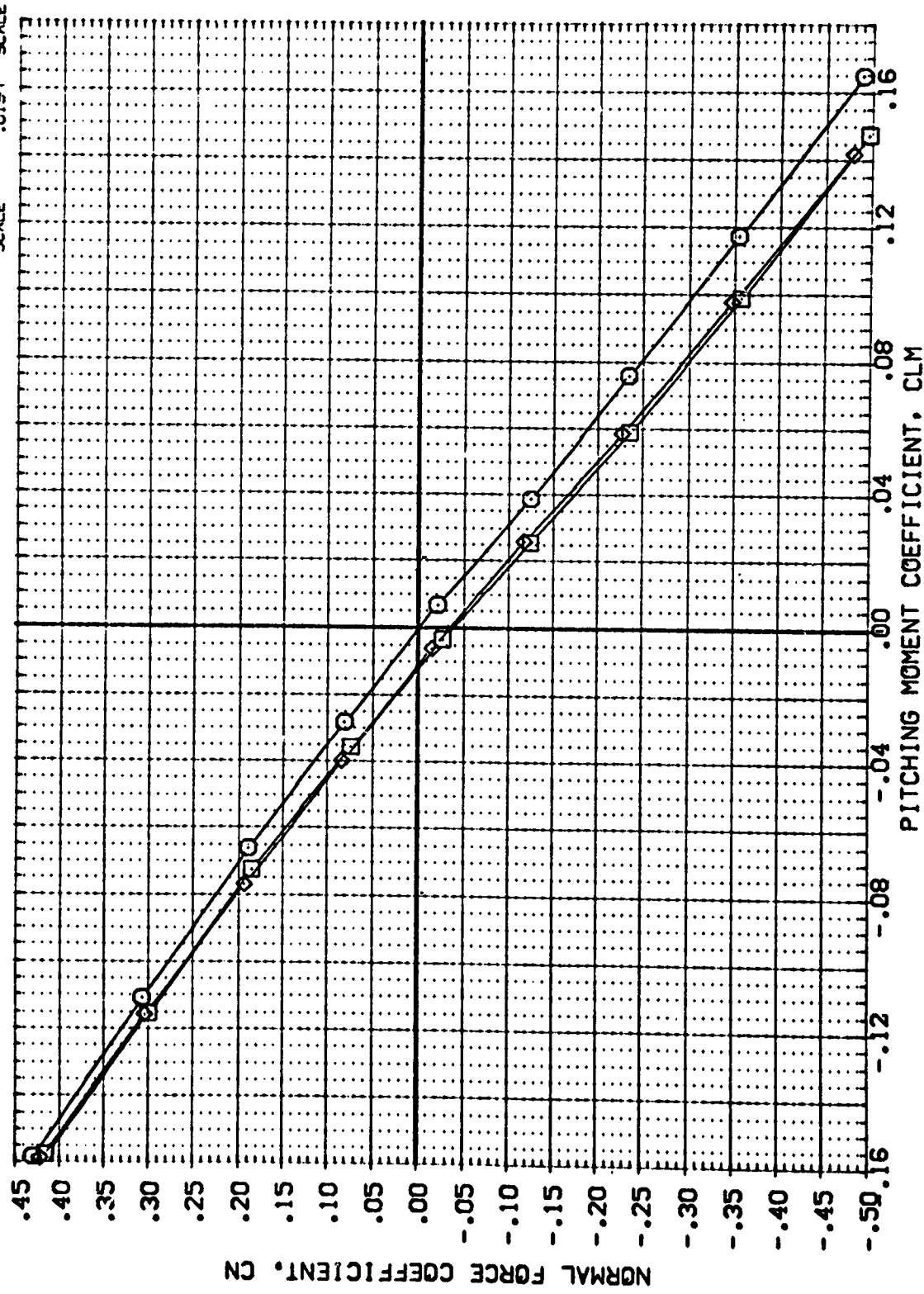
[CBV021] ARC 97-710 [A128 01 T1 S1 POWER OFF
[CBV031] ARC 97-710 [A128 01 T1 S1 DRB ON, SRPR=2.24XNDM
[CBV049] ARC 97-710 [A128 01 T1 S1 DRB ON, SRPR=2.24XNDM

OPR SRPR POWER GIMBAL

.409 1.245 .000
.409 1.245 1.000 2.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 1328.0000 IN.
BREF 1328.0000 IN.
XMRP 953.0000 IN.
YMRP 400.0000 IN.
ZMRP 100.0000 IN.
SCALE .0191 SCALE



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH¹ = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(FBV022) ARC 97-710 1A128 01 T1 S1 POWER OFF

(FBV028) ARC 97-710 1A128 01 T1 S1 ORB ON: SMPP-2.24XNDH

(FBV044) ARC 97-710 1A128 01 T1 S1 ORB ON: SMPP-2.24XNDH

POWER RUDDER GIMBAL

.000 .000 1.000

1.000 .000 1.000

1.000 .000 2.000

REFERENCE INFORMATION

SREF 2690.0000 SQ. FT.

LREF 1328.0000 IN.

BREF 1328.0000 IN.

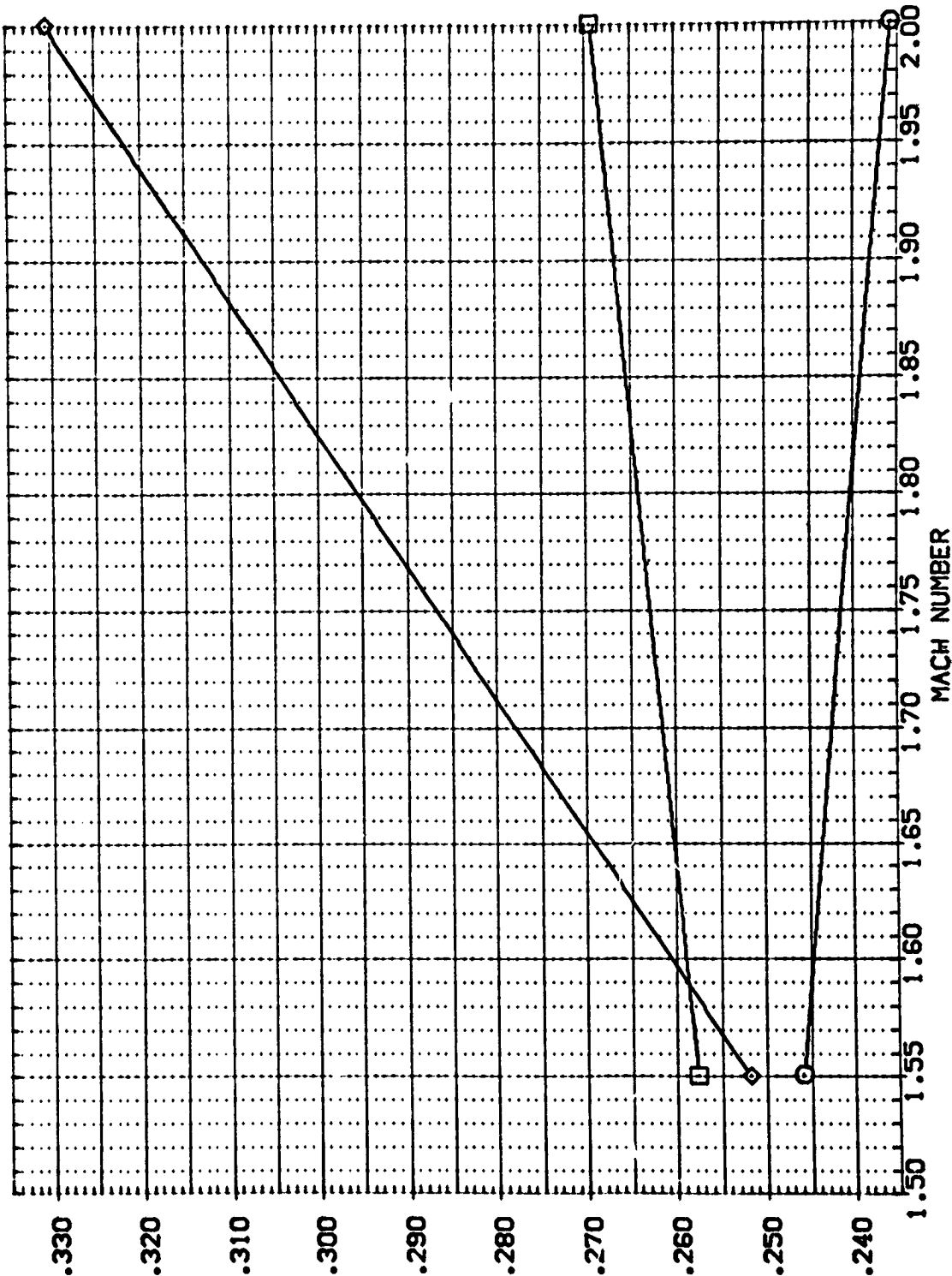
XMRP 963.0000 IN.

YMRP .0000 IN.

ZMRP 400.0000 IN.

SCALE .0190 SCALE

FOREBODY AXIAL FORCE COEFFICIENT AT ZERO ANGLE OF ATTACK • CAPAFO

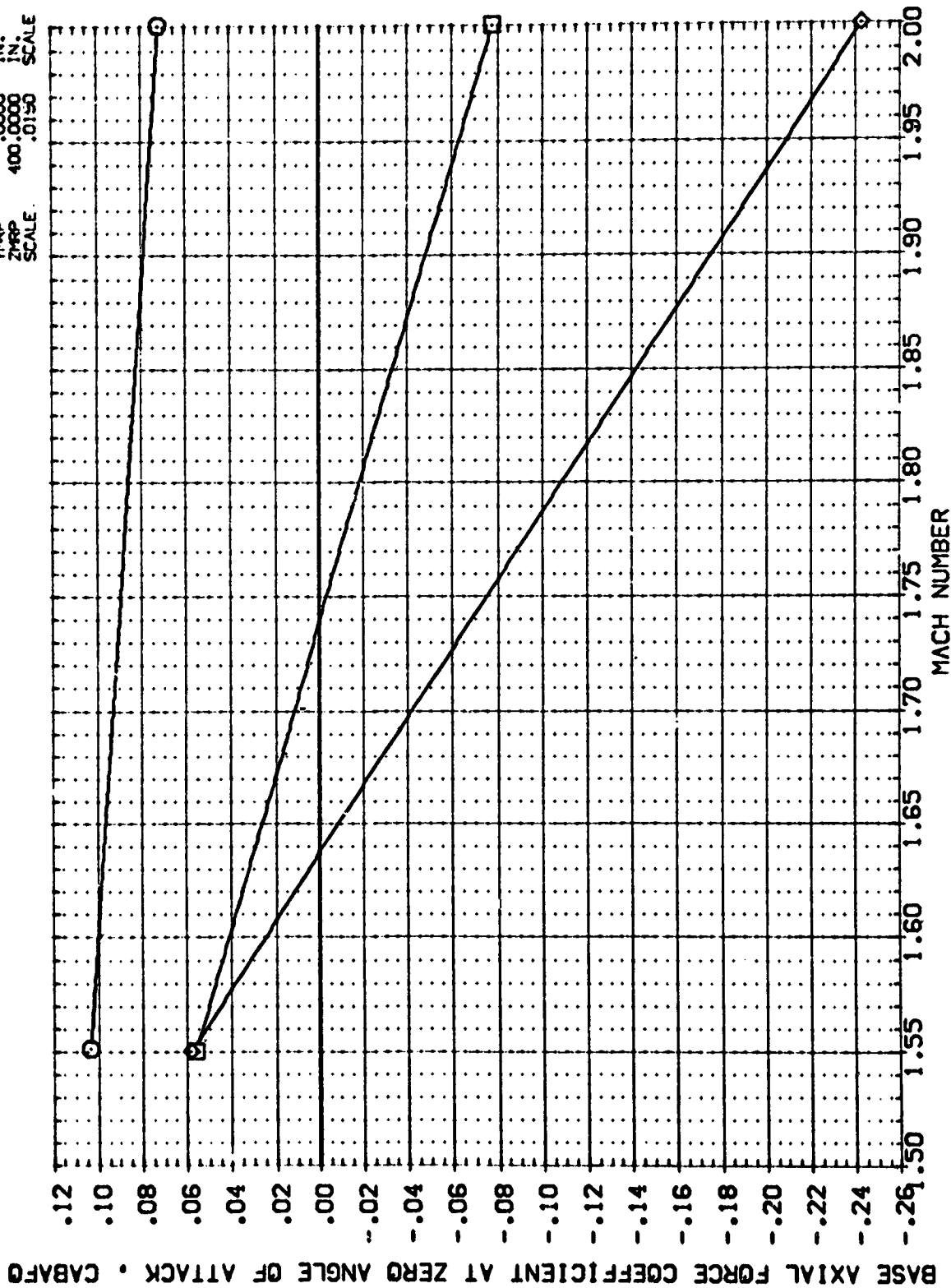


PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (FBV022) ARC 97-710 1A129 01 T1 S1 POWER OFF
 (FBV028) ARC 97-710 1A128 01 T1 S1 ORB ON: SRPR-2.24XNDM
 (FBV044) ARC 97-710 1A128 01 T1 S1 ORB ON: SRPR-2.24XNDM

POWER RUDDER GIMBAL
 .000 .000 1.000
 1.000 .000 2.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0150 SCALE



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

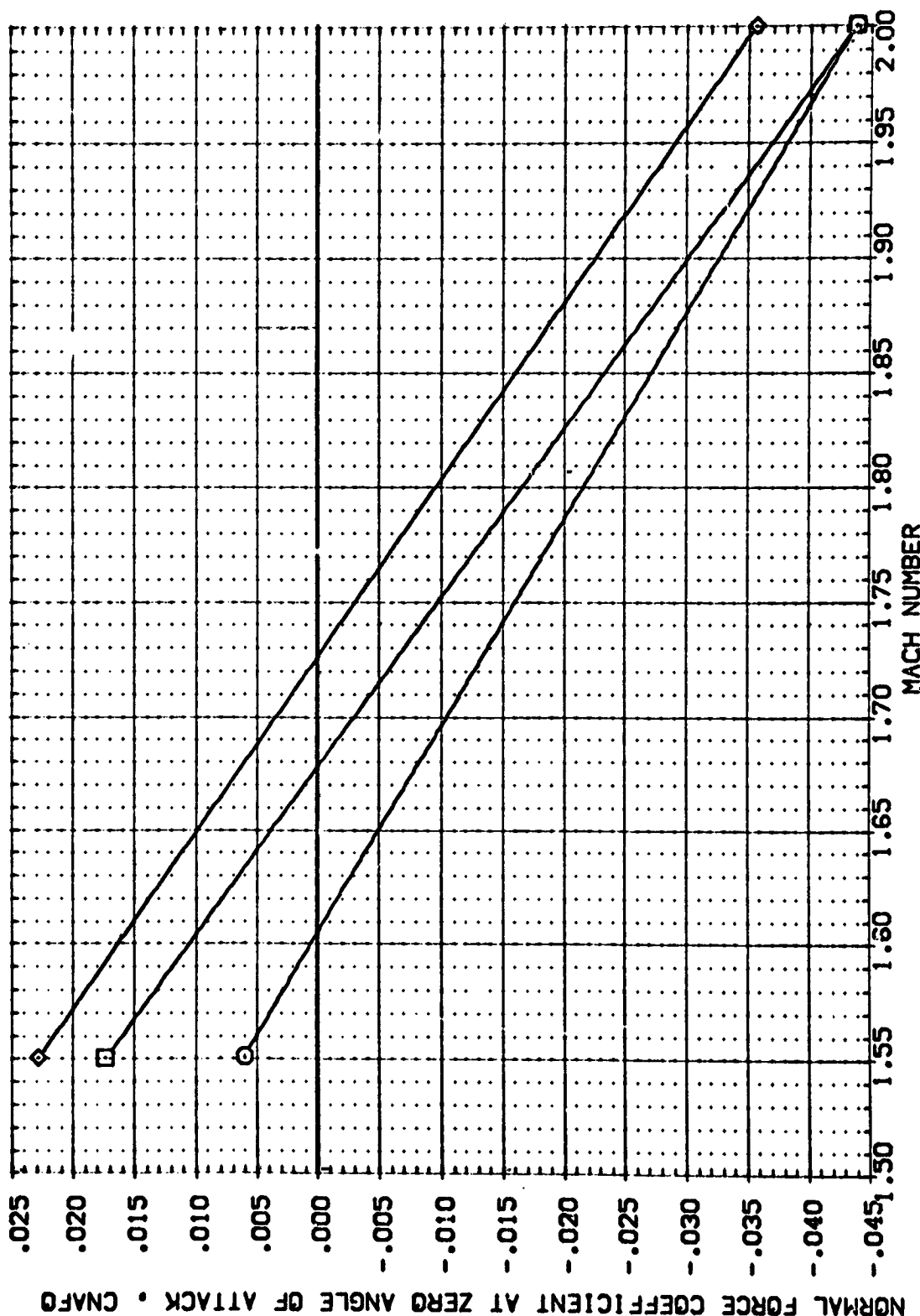
(FBV022) ARC 97-710 [A] 28 01 T1 S1 POWER OFF
 (FBV028) ARC 97-710 [A] 28 01 T1 S1 ORB ON: SR-PR-2.24XNDH
 (FBV044) ARC 97-710 [A] 28 01 T1 S1 ORB ON: SR-PR-2.24XNDH

POWER RUDDER GIMBAL

.000 .000 1.000
 1.000 .000 1.000
 1.000 .000 2.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 400.0000 IN.
 SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS



DATA SET 5: A80L CONFIGURATION DESCRIPTION

[FBV022]	ARC 97-710	AI28	01	T1	SI	POWER OFF
[FBV028]	ARC 97-710	AI28	01	T1	SI	DRB ON: SRPR-2.24XNDH
[FBV044]	ARC 97-710	AI28	01	T1	SI	DRB ON: SRPR-2.24XNDH

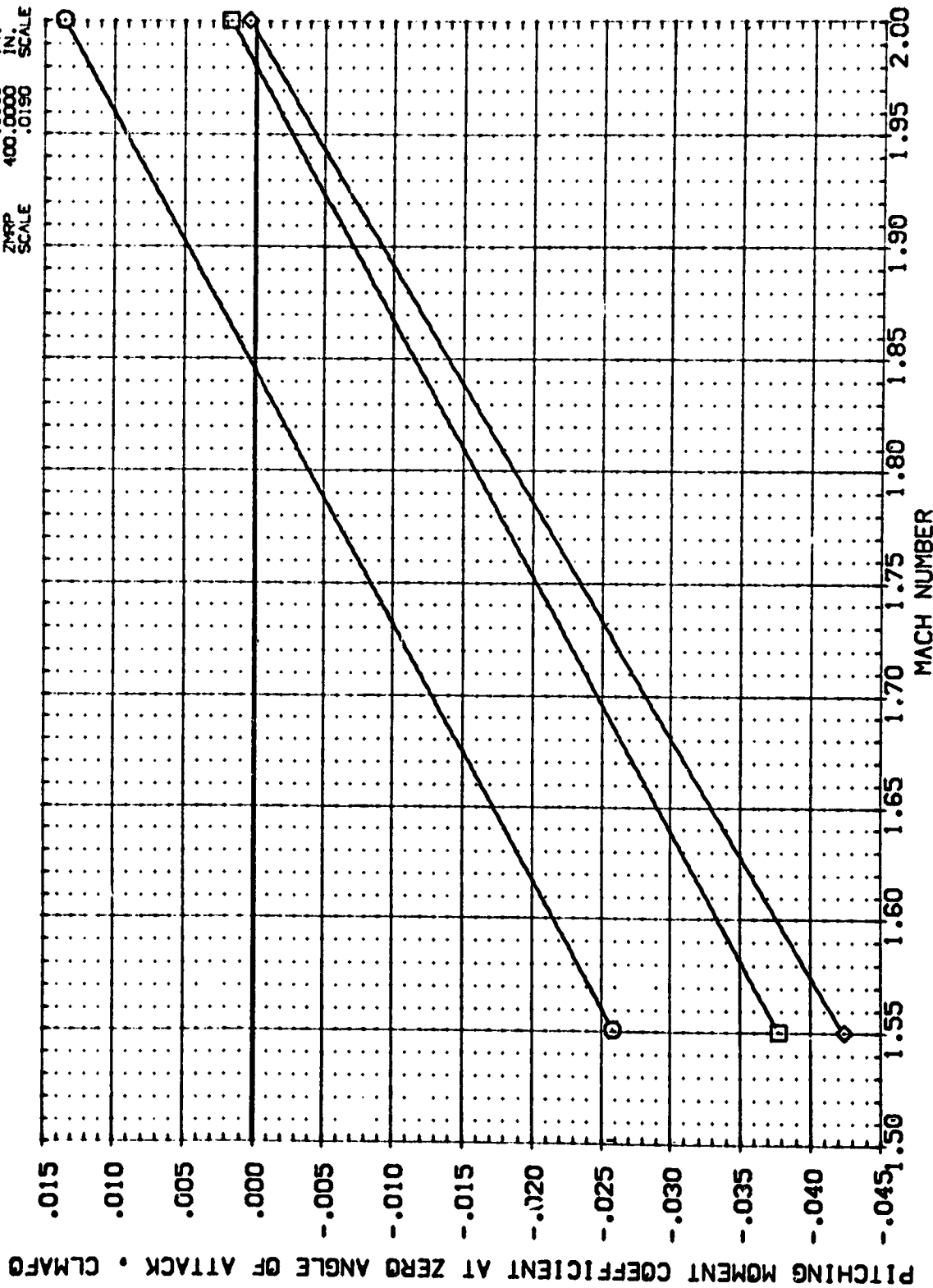
REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	1328.0000	IN.
BREF	1328.0000	IN.
XMRP	953.0000	IN.
YMRP	400.0000	IN.
ZMRP	400.0000	IN.
SCALE	.0190	SCALE

POWER RUDDER GIMBAL

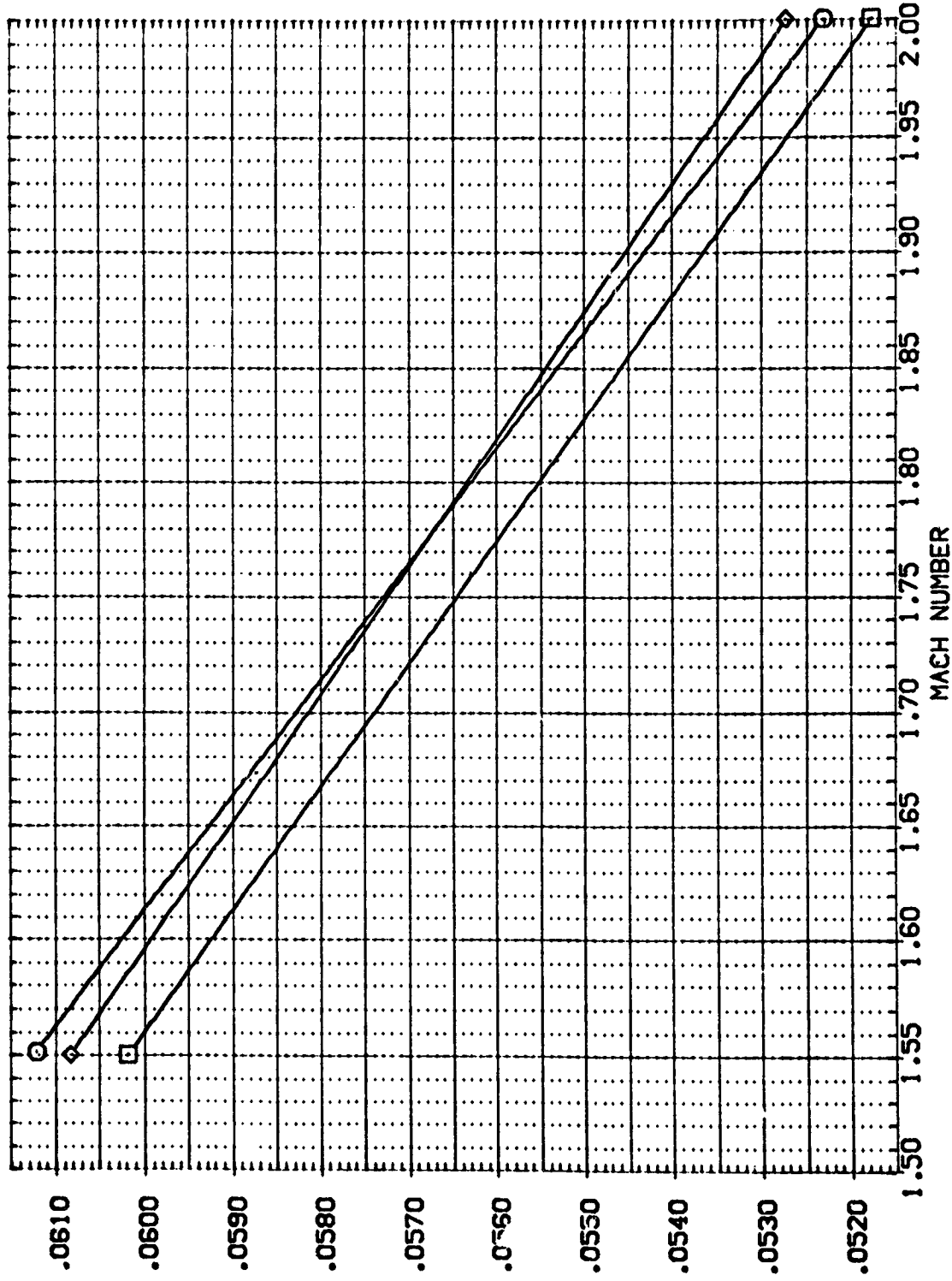
.000	.000	1.000
1.000	.000	1.000
1.000	.000	2.000

PITCHING MOMENT COEFFICIENT AT ZERO ANGLE OF ATTACK - CLMAFO



PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

REFERENCE INFORMATION	
SREF	2690.0000' SQ.FT.
LREF	1328.0000 IN.
BREF	1328.0000 IN.
XVRP	953.0000 IN.
YVRP	.0000 IN.
ZVRP	400.0000 IN.
SCALE	.0190 SCALE



PAGE 99

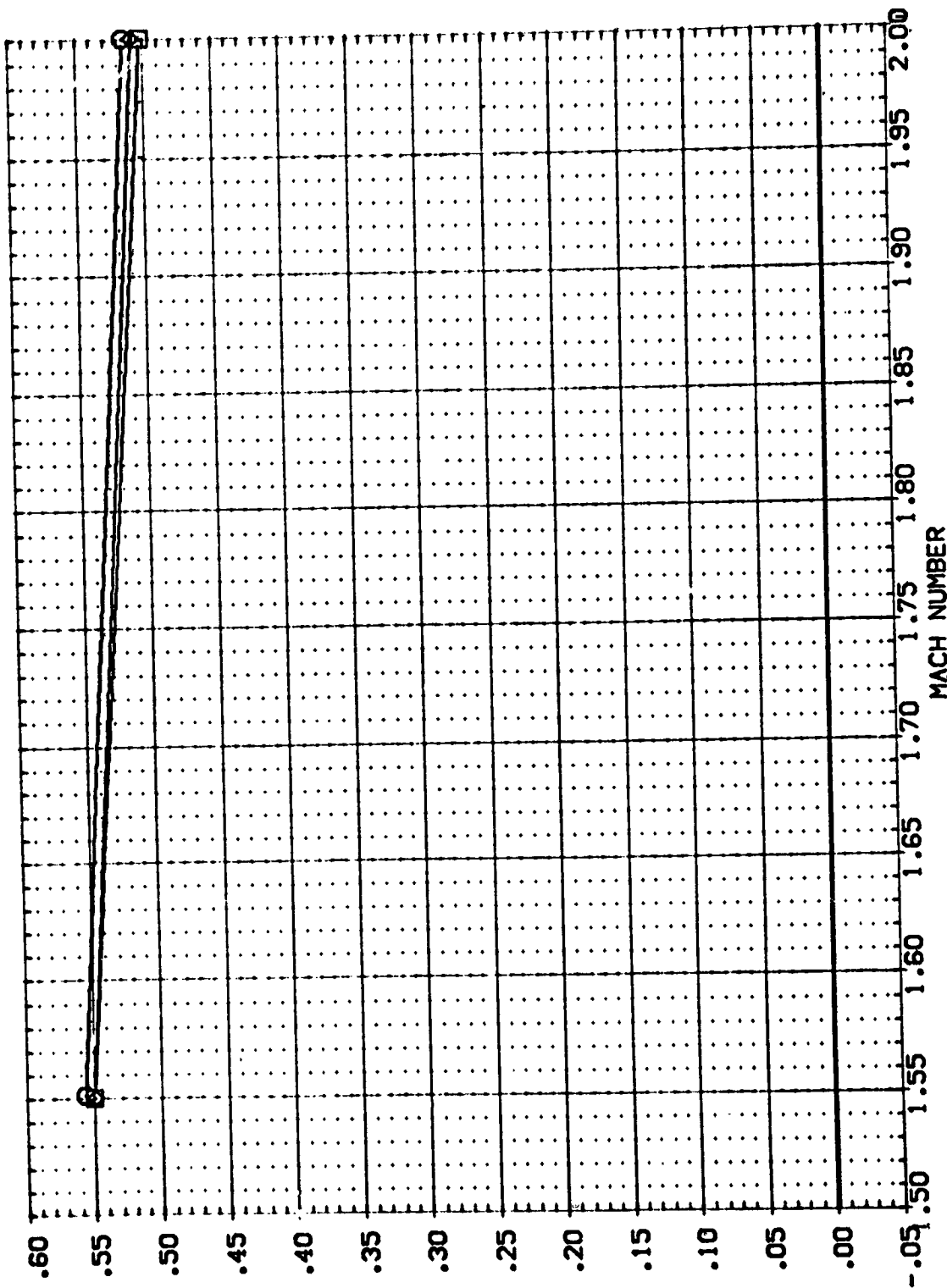
REFERENCE INFORMATION
 SREF 2590.0000 50.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 553.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190

POWER RUDDER GIMBAL
 .000
 1.000
 1.000
 2.000

CONFIGURATION DESCRIPTION
 ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 ORB ON, SRPR-2.24XNMH
 ARC 97-710 1A128 01 T1 S1 ORB ON, SRPR-2.24XNMH

DATA SET SYMBOL
 (FBV022)
 (FBV028)
 (FBV044)

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH

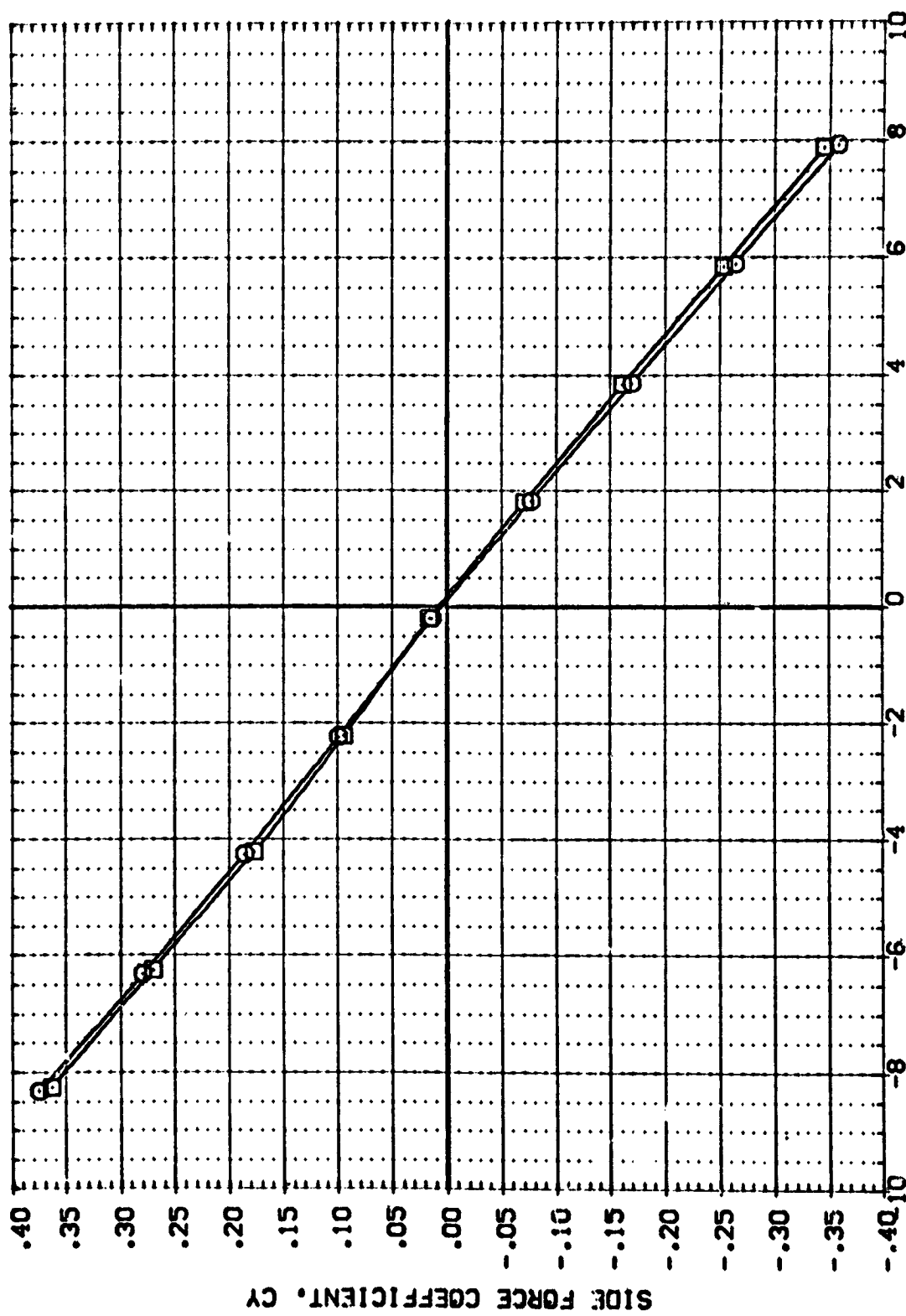


MACH NUMBER

PLUME AND GIMBAL ANGLE EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(BBV027) [] ARC 97-710 1A128 01 11 S1 POWER OFF
(BBV045) [] ARC 97-710 1A128 01 11 S1 ORB ON: SAMP-2.24MMCH

OPR SAMPR POWER GIMBAL REFERENCE INFORMATION
.433 1.050 1.000 2.000
SREF 2690.0000 SQ.FT.
LREF 1328.0000 IN.
BREF 1328.0000 IN.
XPRP 953.0000 IN.
YPRP 400.0000 IN.
ZPRP 100.0000 IN.
SCALE .0190



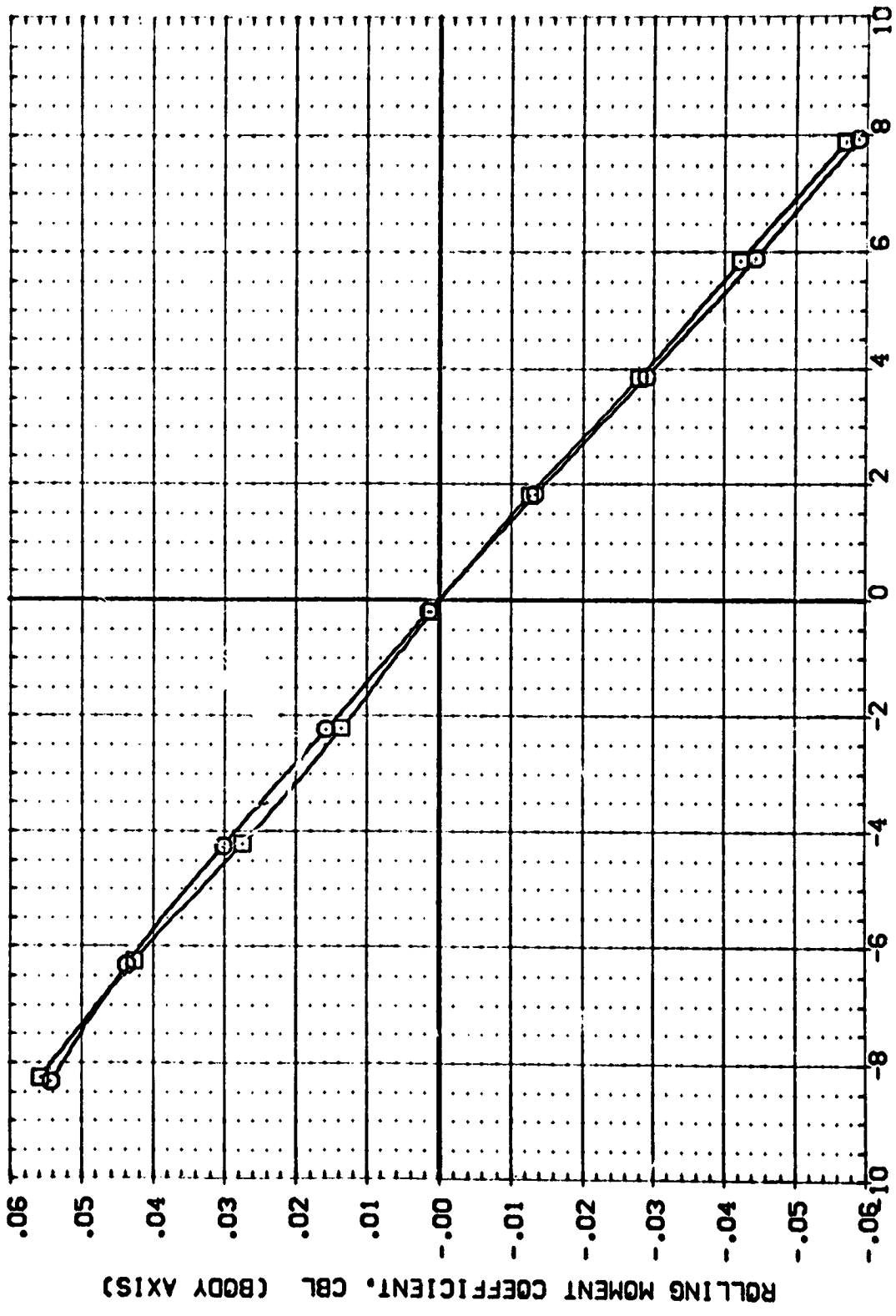
SIDESLIP ANGLE, BETA, DEGREES
PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET SYMBOL: BBV0271
 CONFIGURATION DESCRIPTION: ARC 97-710 I128 01 T1 S1 POWER OFF
 (BBV045) □ ARC 97-710 I128 01 T1 S1 ORB ON, SRPR=2.24X10⁴

OPR: .133 SRPR: 1.050 POWER: .000 GIMBAL: 1.000
 2.000

REFERENCE INFORMATION:
 SREF: 7690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XMRP: 953.0000 IN.
 YMRP: 400.0000 IN.
 ZMRP: 400.0000 IN.
 SCALE: .0195



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS
 SIDESLIP ANGLE, BETA, DEGREES

(M)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

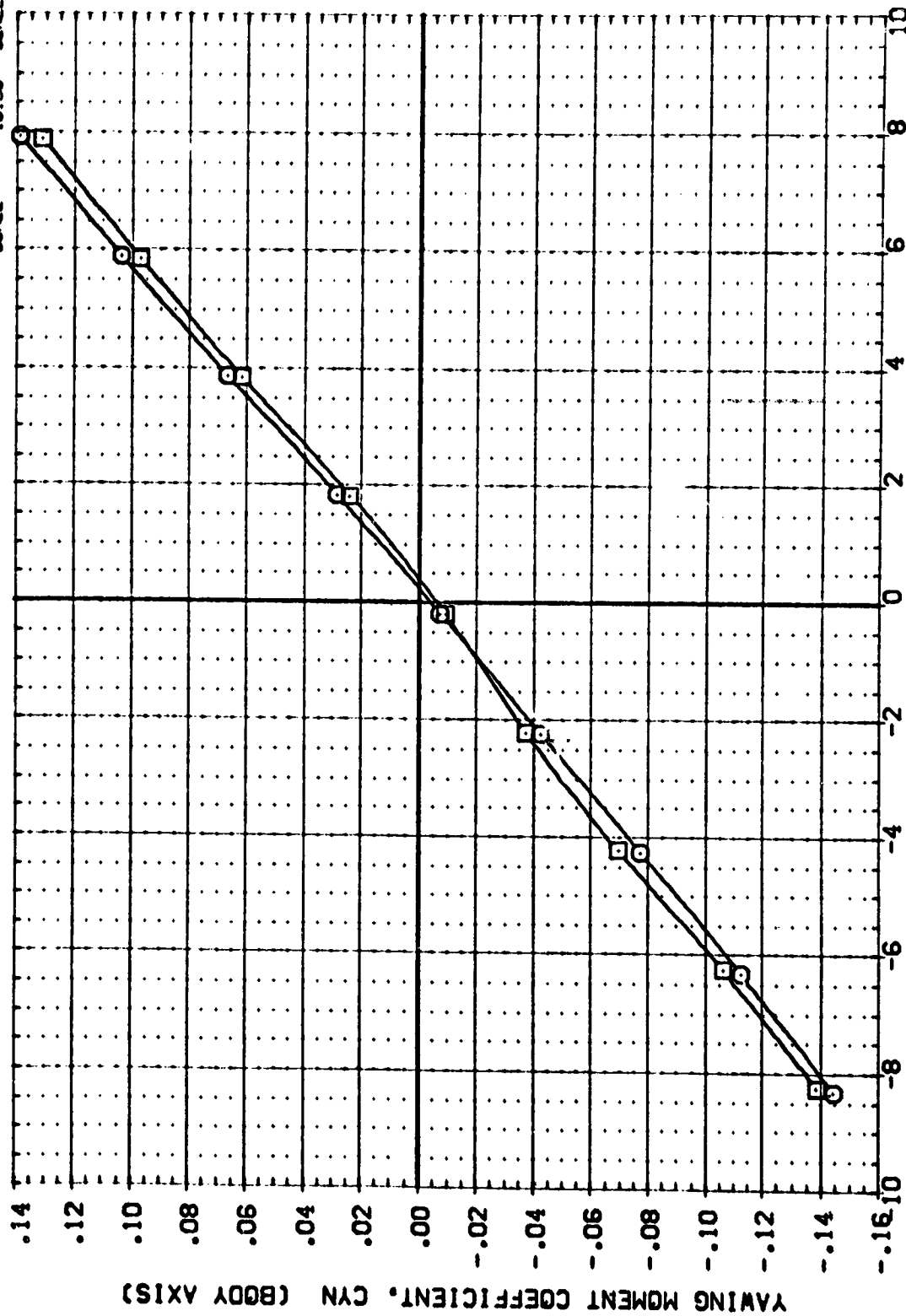
(BBV027) [] ARC 97-710 [A]128 01 T1 S1 POWER OFF
(BBV045) [] ARC 97-710 [A]128 01 T1 S1 DRB ON, SRPR-2.24XNDH

OPR SRPR POWER GIMBAL

.433 1.050 1.000 2.000

REFERENCE INFORMATION

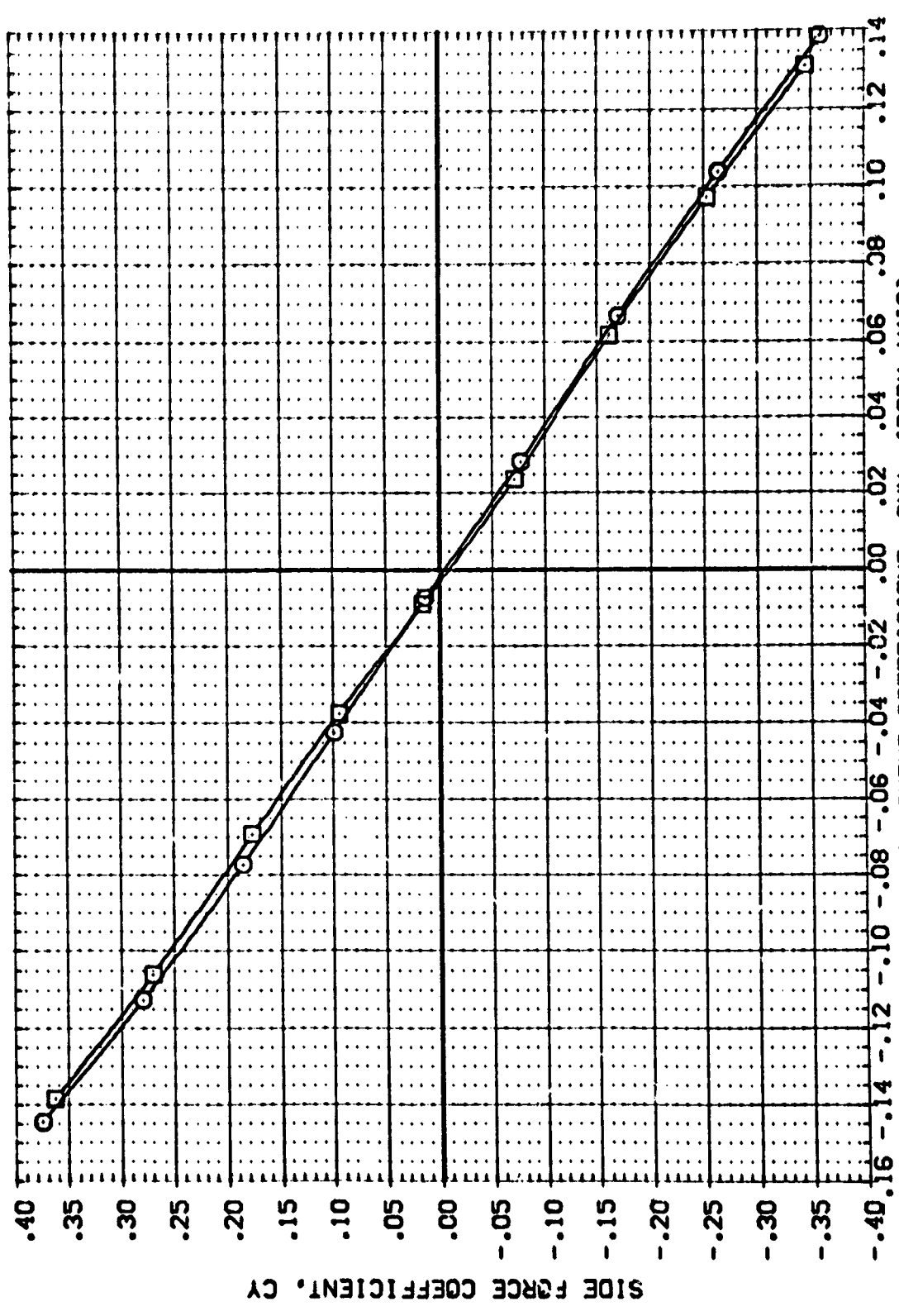
SREF 2690.0000 SQ.FT.
LREF 1328.0000 IN.
BREF 1328.0000 IN.
XPRP 953.0000 IN.
YPRP 400.0000 IN.
ZPRP 400.0000 IN.
SCALE .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS
SIDESLIP ANGLE, BETA, DEGREES

(A)MACH = 1.55

DATA SET SYMBOL		CONFIGURATION DESCRIPTION				GPR		SRPR		POWER		GIMBAL		REFERENCE INFORMATION			
(BBV027)	ARC 97-710	1A12B	01	T1	S1	POWER OFF						1.000	SREF	2690.0000	50.00	IN.	
(BBV045)	ARC 97-710	1A12B	01	T1	S1	GPR ON, SRPR-2.24000H	.433	1.050	1.000	2.000	LREF	1328.0000	IN.				
											BREF	1328.0000	IN.				
											YPRP	953.0000	IN.				
											ZPRP	400.0000	IN.				
											SCALE	.0190	SCALE				



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

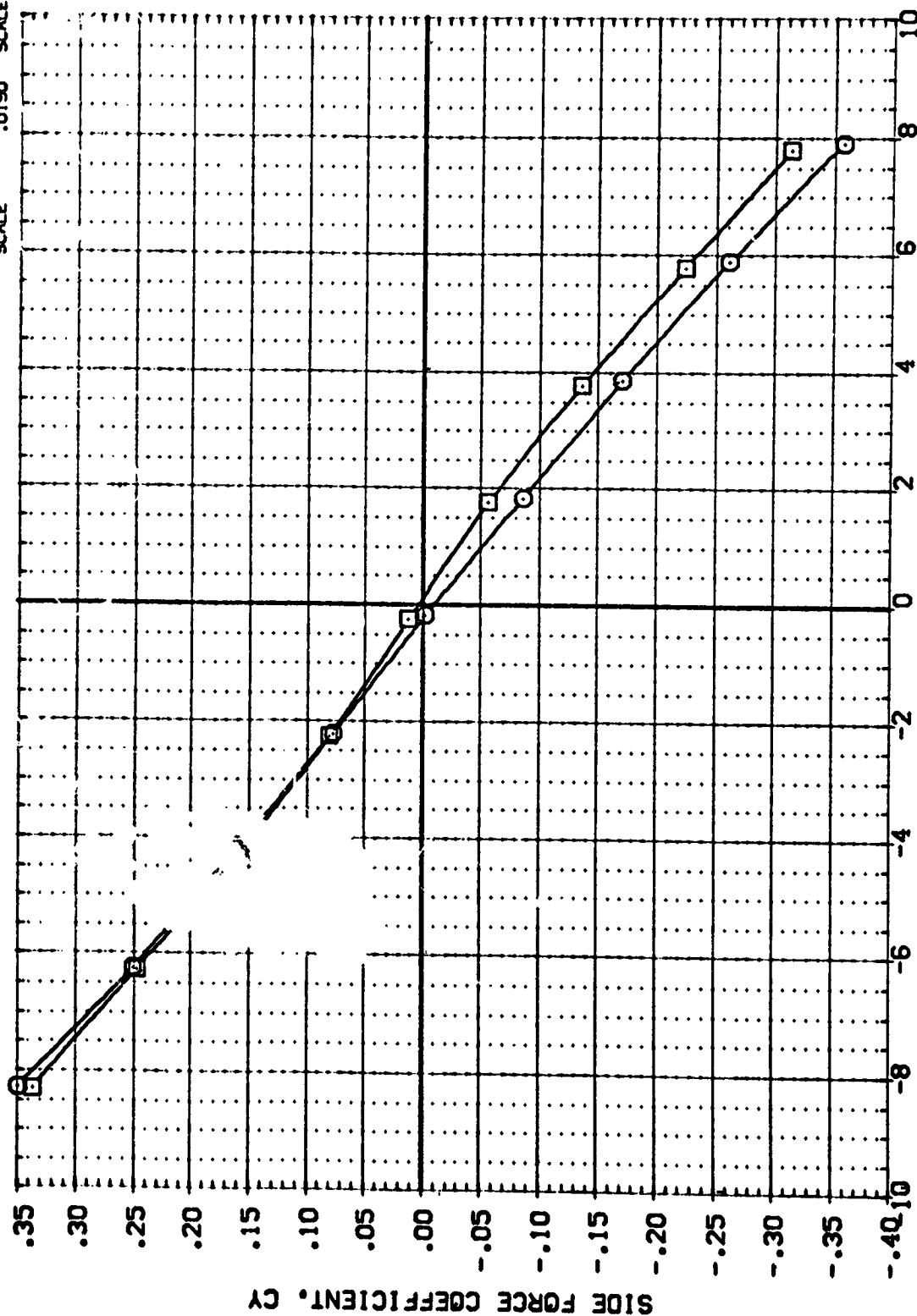
(A)MACH = 1.55

DATA SET SYMBOL

ARC 97-710 1A128 01 11 SI POWER OFF
ARC 97-710 1A128 01 11 SI DB ON: 50PR-2.24NCH

DBR 50PR PC ER GIMBAL
.409 1.245 1.000 2.000

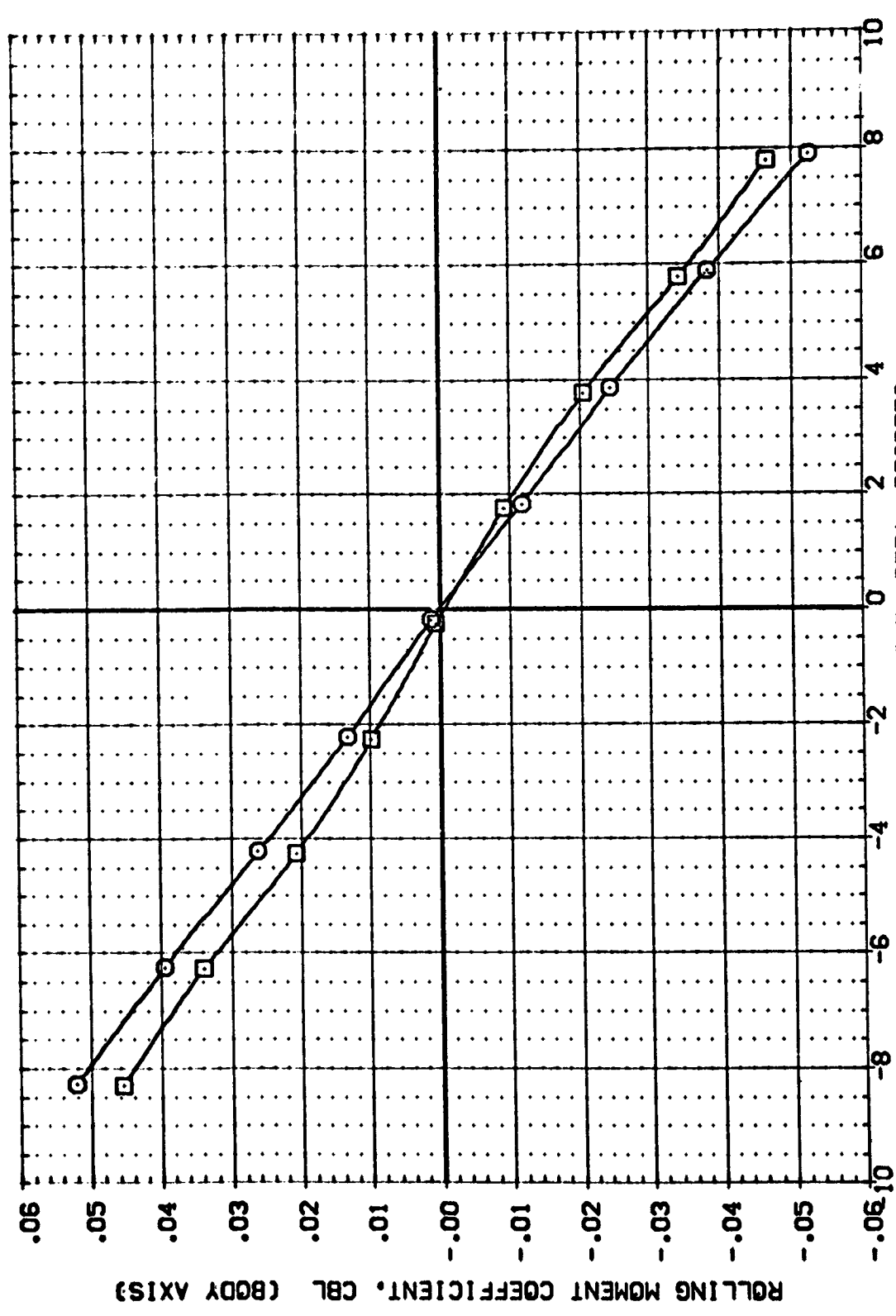
REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 1328.0000 IN.
BREF 1328.0000 IN.
XMRP 953.0000 IN.
YMRP 400.0000 IN.
ZMRP 400.0000 IN.
SCALE .0190



SIDESLIP ANGLE, BETA, DEGREES
PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

(AJMACH = 2.00

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION	
(88V003)	ARC 97-710	1A128	01 T1 S1	.408	1.245	.000	1.000	SREF	2690.0000
(88V050)	ARC 97-710	1A128	01 T1 S1			1.000	2.000	LREF	1328.0000
								BREF	1328.0000
								YPRP	953.0000
								ZPRP	400.0000
								SCALE	.0190

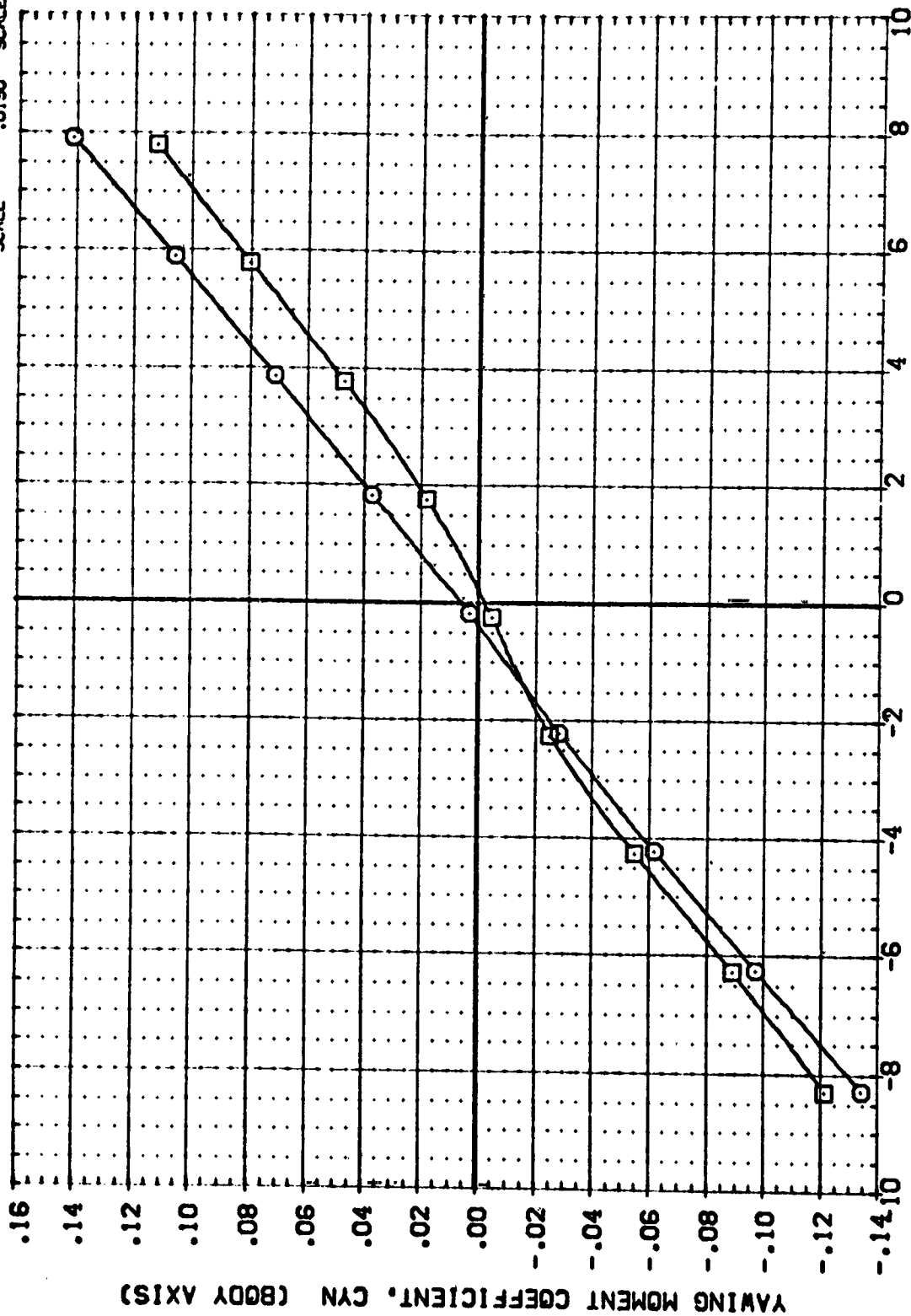


PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BBV003) [] ARC 97-710 1A128 01 11 S1 POWER OFF
 (BBV050) [] ARC 97-710 1A128 01 11 S1 088 ON, SRPR=2.21X00H

OPR SRPR POWER GIMBAL REFERENCE INFORMATION
 .409 1.245 .000 1.000 50. FT.
 1.000 2.000
 SREF 2690.0000
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS
 (A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BBV003) ARC 97-710 1A128 01 T1 S1 POWER OFF

(BBV050) ARC 97-710 1A128 01 T1 S1 OR8 ON, SREF=2.24MM

OPR SREF POWER GIMBAL REFERENCE INFORMATION

.409 1.245 .000 1.000 2690.0000 50.FT.

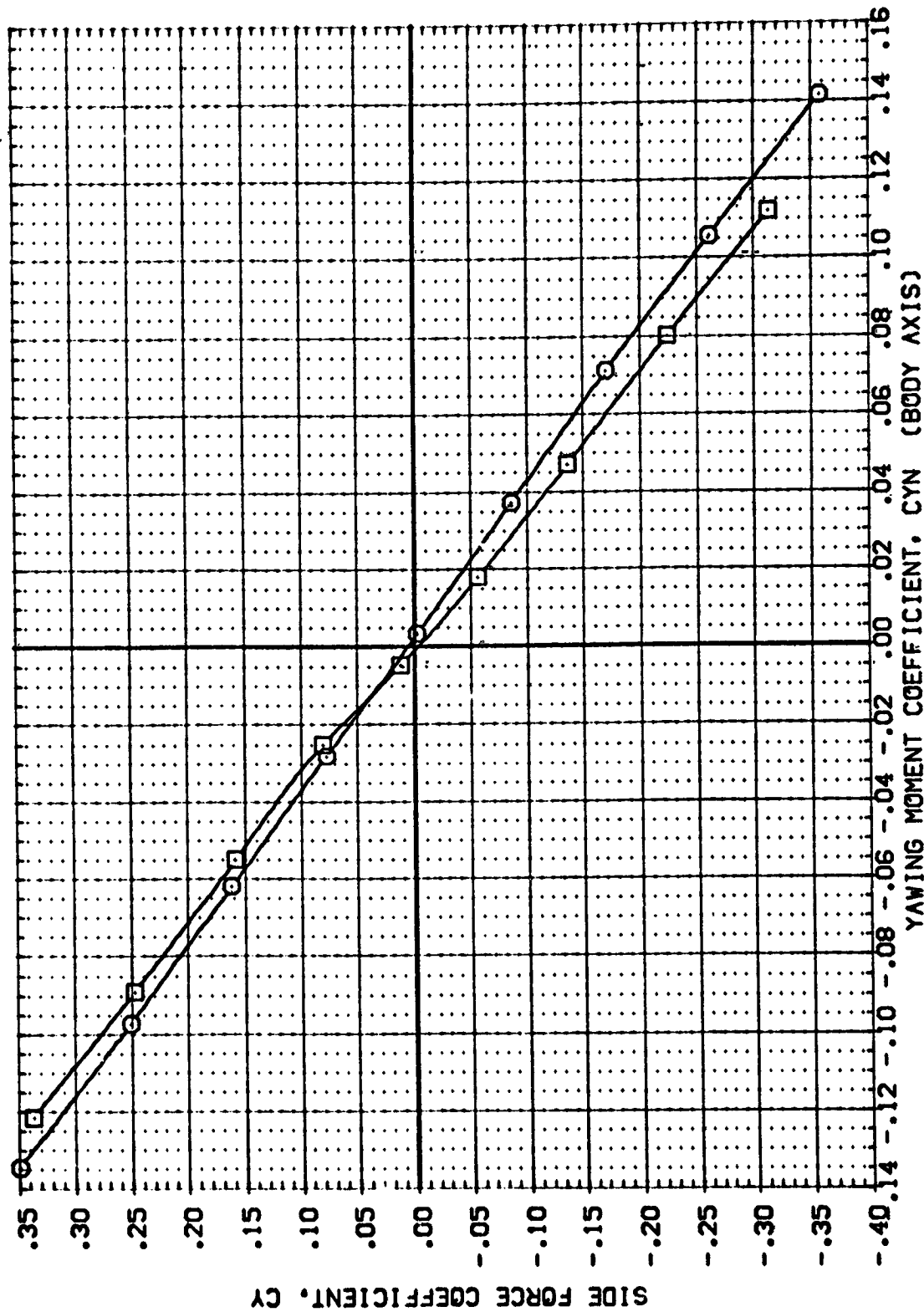
1.328.0000 IN.

1.328.0000 IN.

953.0000 IN.

400.0000 IN.

SCALE .0190



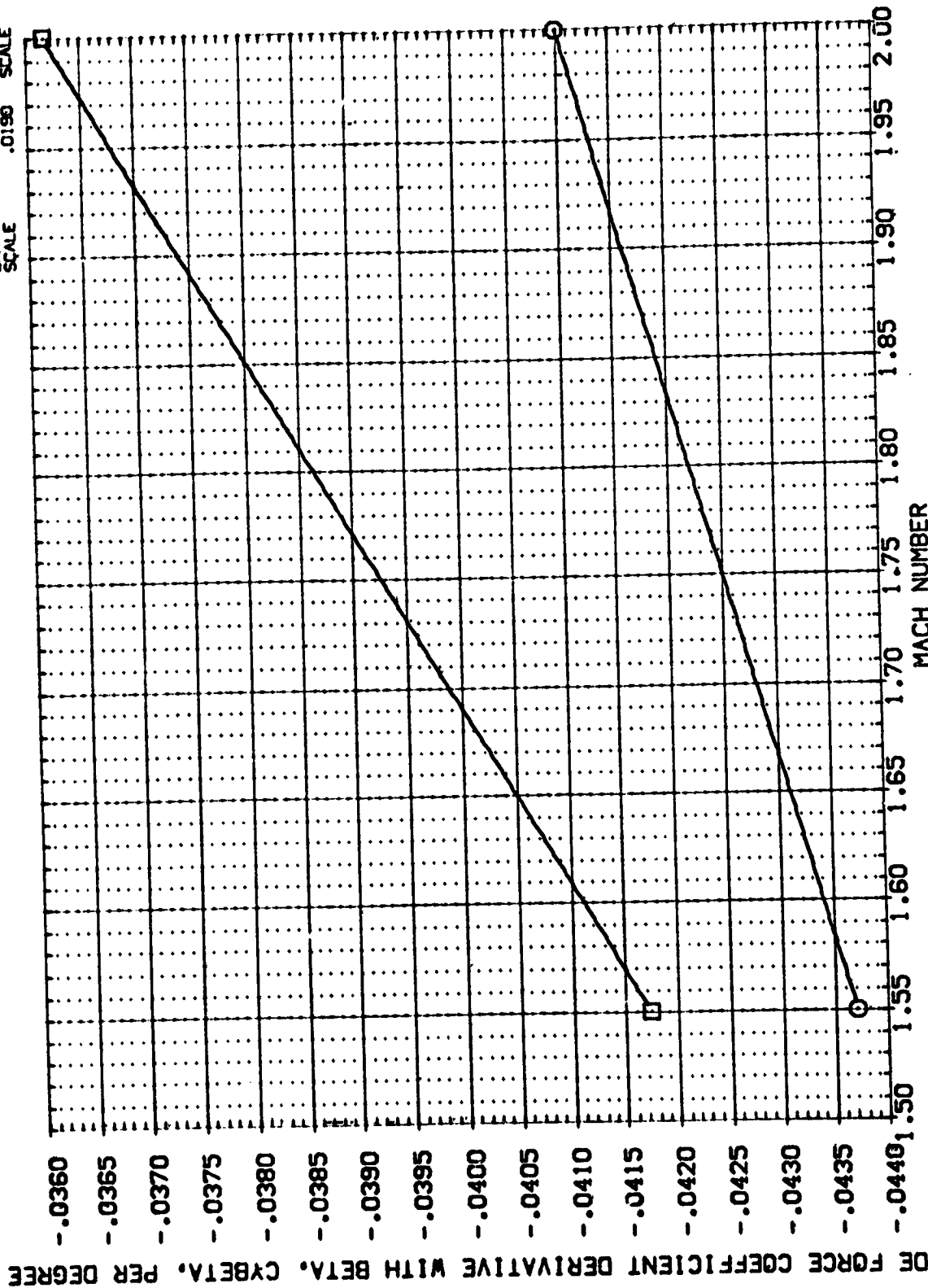
PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (GBV027) ARC 97-710 1A128 01 T1 S1 POWER OFF
 (GBV045) ARC 97-710 1A128 01 T1 S1 DRG ON, SUPPR-2.24000M

POWER RUDDER GIMBAL
 .000 .000 1.000
 1.000 0.00 2.000

REFERENCE INFORMATION
 SREF 7690.0000 SQ. FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP .0000 IN.
 ZPRP 400.0000 IN.
 SCALE .0190



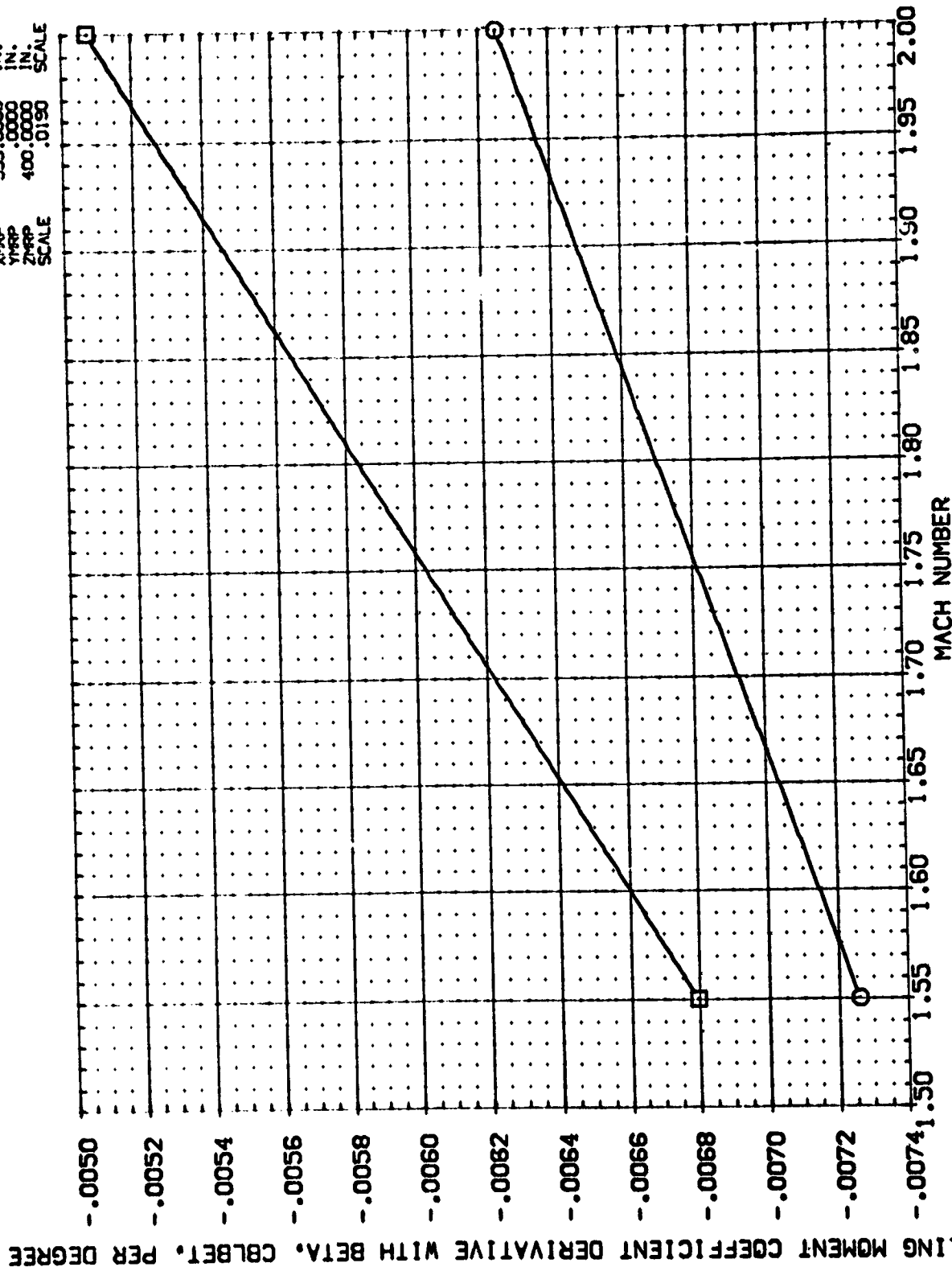
PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL: {89V027} {89V045}

CONFIGURATION DESCRIPTION:
 ARC 97-710 [A] 128 01 T1 S1 POWER OFF
 ARC 97-710 [A] 128 01 T1 S1 DRB ON:SR-PR-2.24XNDH

POWER: .000 1.000
 RUDDER: .000 .000
 GIMBAL: 1.000 2.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XPRP: 953.0000 IN.
 YPRP: 400.0000 IN.
 ZPRP: 400.0000 IN.
 SCALE: .0190



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

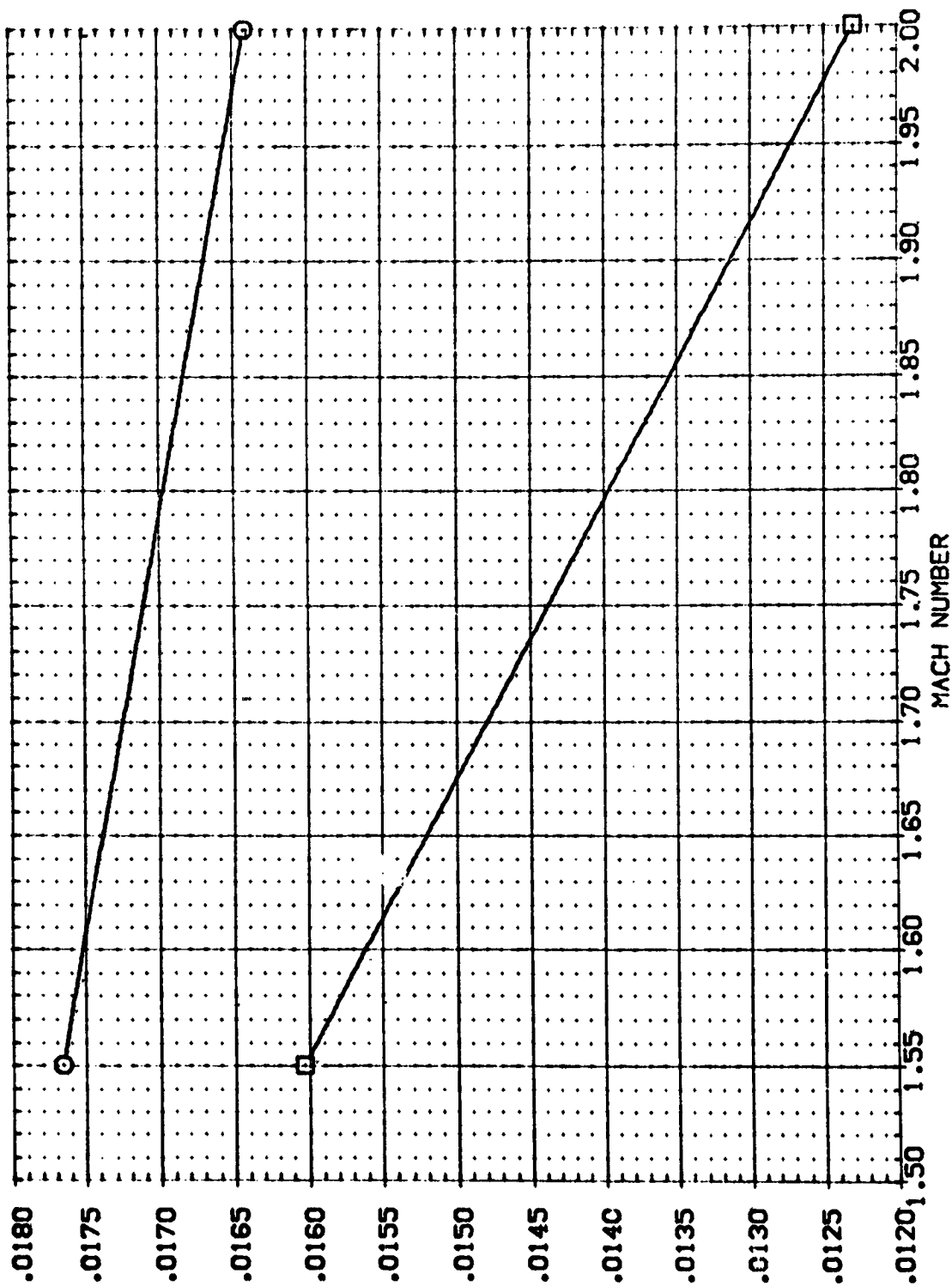
DATA SET SYMBOL: (GBV027) ☐ (GBV045) ☐

CONFIGURATION DESCRIPTION:
 ARE 97-710 [A128 01 T1 S1 POWER OFF]
 ARE 97-710 [A128 01 T1 S1 DRB ON, SWPR=2.24XONM]

POWER: .000
 RUDDER: .000
 GIMBAL: 1.000
 2.000

REFERENCE INFORMATION:
 SREF: 2690.0000 SQ.FT.
 LREF: 1328.0000 IN.
 BREF: 1328.0000 IN.
 XPRP: 953.0000 IN.
 YPRP: 400.0000 IN.
 ZPRP: 400.0000 IN.
 SCALE: .0190

YAWING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CYMBET, PER DEGREE



PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

REFERENCE INFORMATION

SREF	2690.0000	SO.FT.
LREF	1328.0000	IN.
BREF	1328.0000	IN.
XMRP	953.0000	IN.
YMRP	400.0000	IN.
ZMRP	400.0000	IN.
SCALE	.0190	SCALE

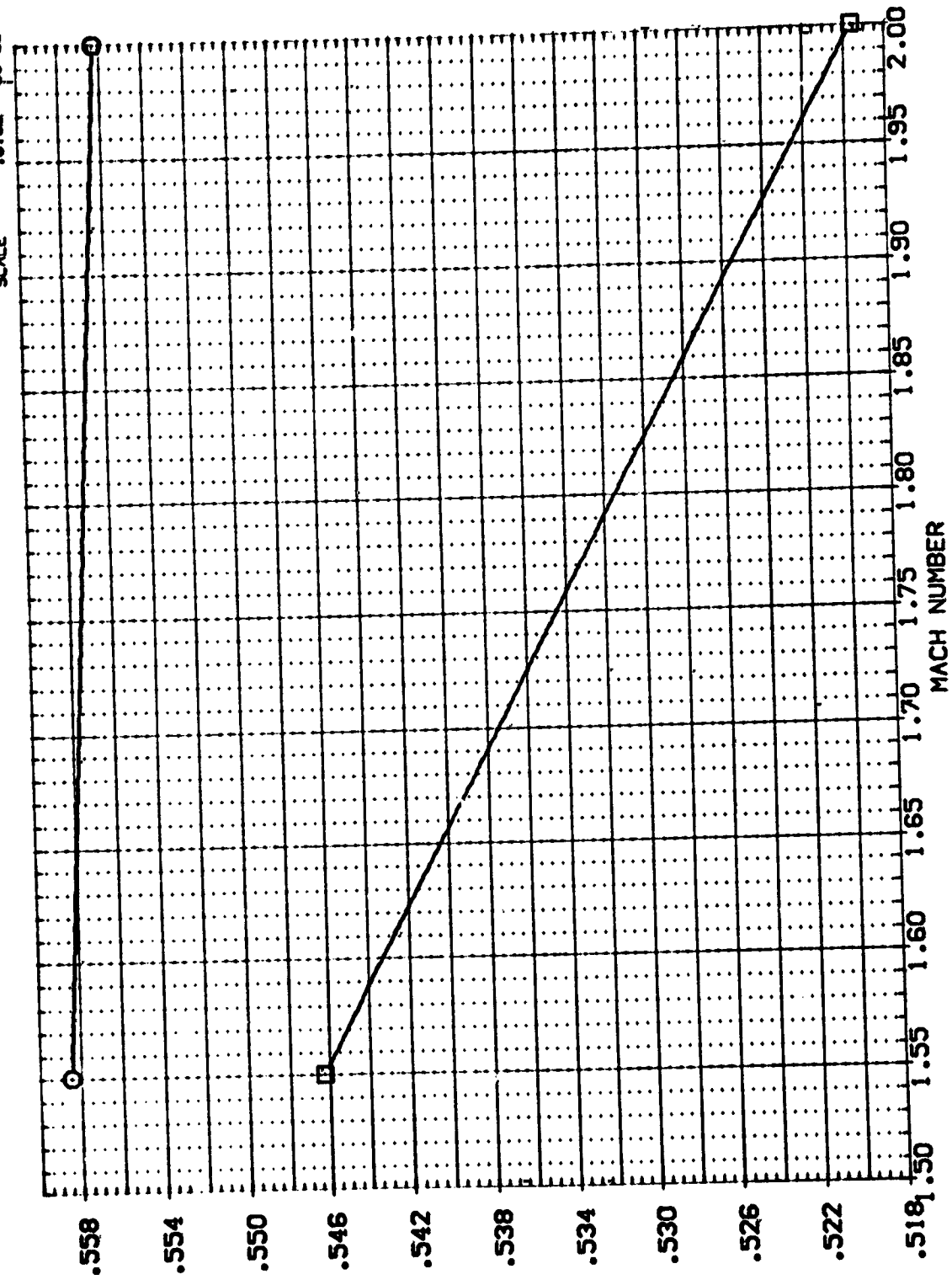
POWER RUDDER GIMBAL

POWER	.000	RUDDER	.000	GIMBAL	1.000
	1.000		.000		2.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(GBV027)	ARC 97-710	AI28	01	T1	SI	POWER OFF
(GBV045)	ARC 97-710	AI28	01	T1	SI	OSB ON, SRPR=2.24XNDH

LATERAL AERODYNAMIC CENTER, XYAC/L PERCENT OF BODY LENGTH



MACH NUMBER

PLUME AND GIMBAL ANGLE EFFECTS ON LATERAL CHARACTERISTICS

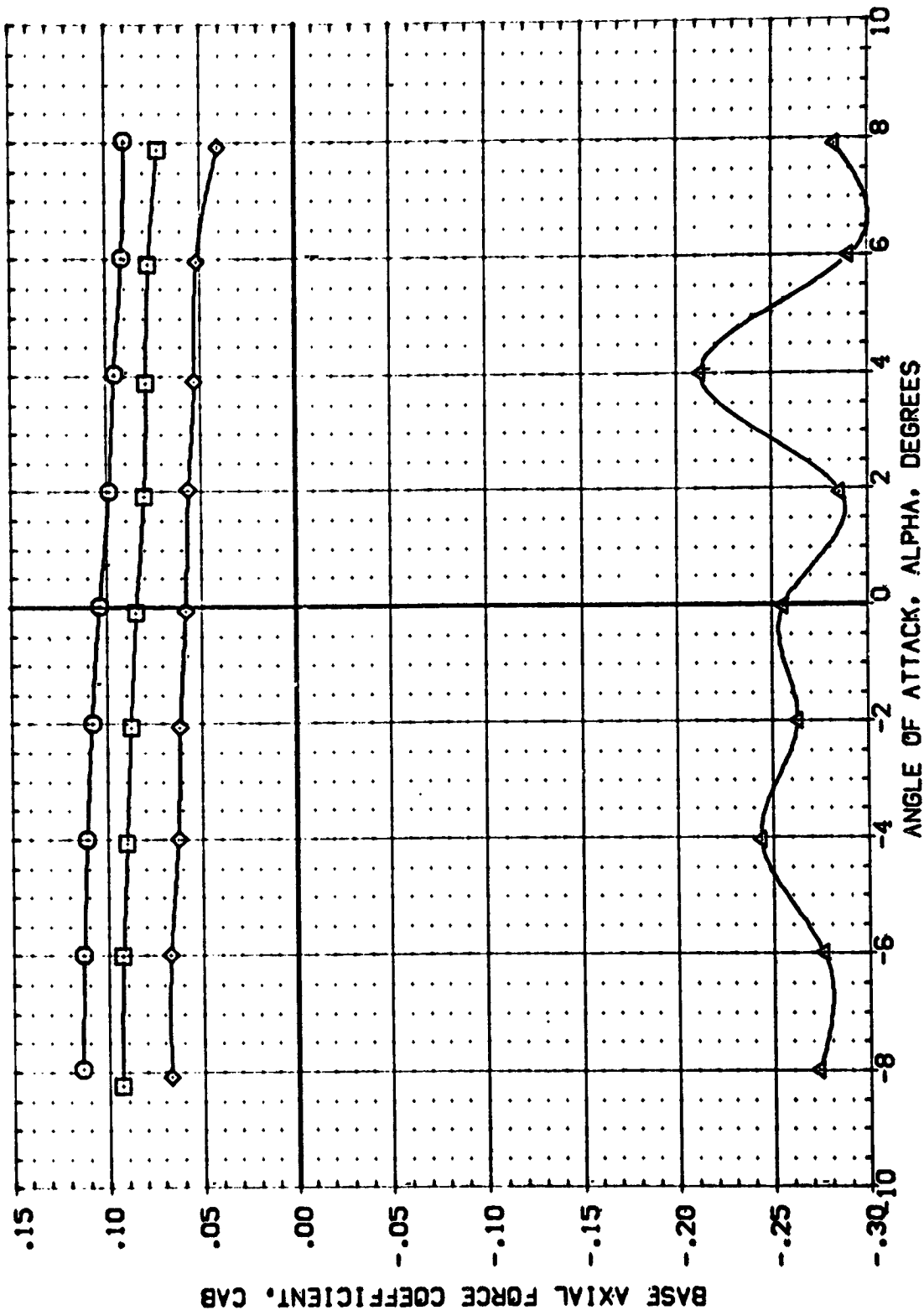
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
{CBV032}	ARC 97-710 [A]28 [C]1 [T]1 S1 POWER OFF			.000	1.000	SREF 2690.0000 SQ.FT.
{CBV043}	ARC 97-710 [A]28 [C]1 [T]1 S1 O58 ON, SRPR-NOMINAL	.133	.469	1.000	2.000	LREF 1328.0000 IN.
{CBV044}	ARC 97-710 [A]28 [C]1 [T]1 S1 O58 ON, SRPR=2.24XNOM	.133	1.050	1.000	2.000	BREF 1328.0000 IN.
{CBV047}	ARC 97-710 [A]28 [C]1 [T]1 S1 O58 ON, SRPR=3.63XNOM	.133	1.790	1.000	2.000	YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(AJMACH = 1.55

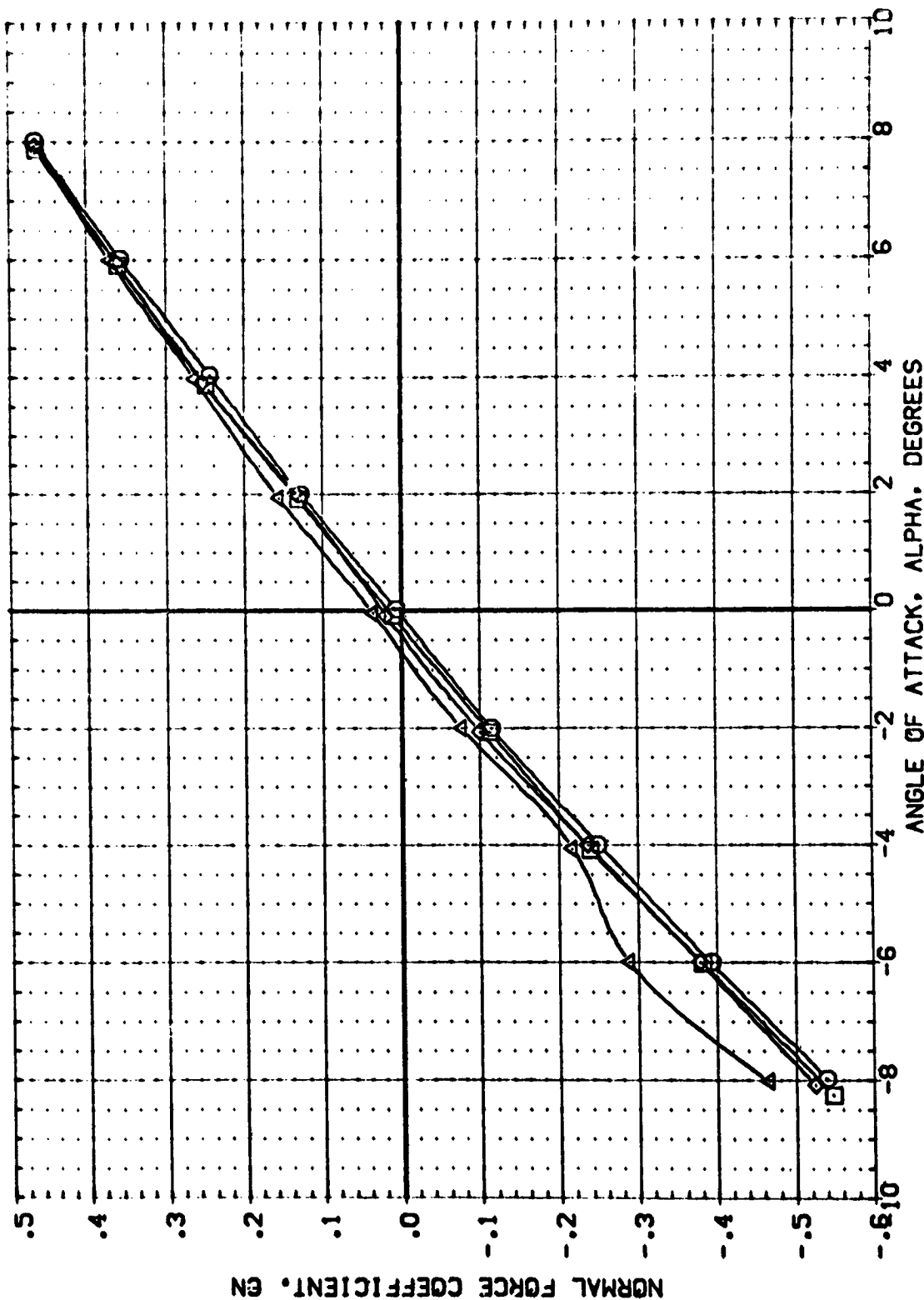
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION	
(CBV032)	ARC 97-710 IAL28 01 T1 S1 POWER OFF			.000	1.000	SREF	2650.0000 SQ.FT.
(CBV043)	ARC 97-710 IAL28 01 T1 S1 OPR ON: SRPR-NOMINAL	.433	.469	1.000	2.000	LREF	1328.0000 IN.
(CBV044)	ARC 97-710 IAL28 01 T1 S1 OPR ON: SRPR-2.24XNOM	.433	1.050	1.000	2.000	BREF	1328.0000 IN.
(CBV047)	ARC 97-710 IAL28 01 T1 S1 OPR ON: SRPR-3.83XNOM	.433	1.750	1.000	2.000	XPRP	953.0000 IN.
						YPRP	400.0000 IN.
						SCALE	.0150 SCALE



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

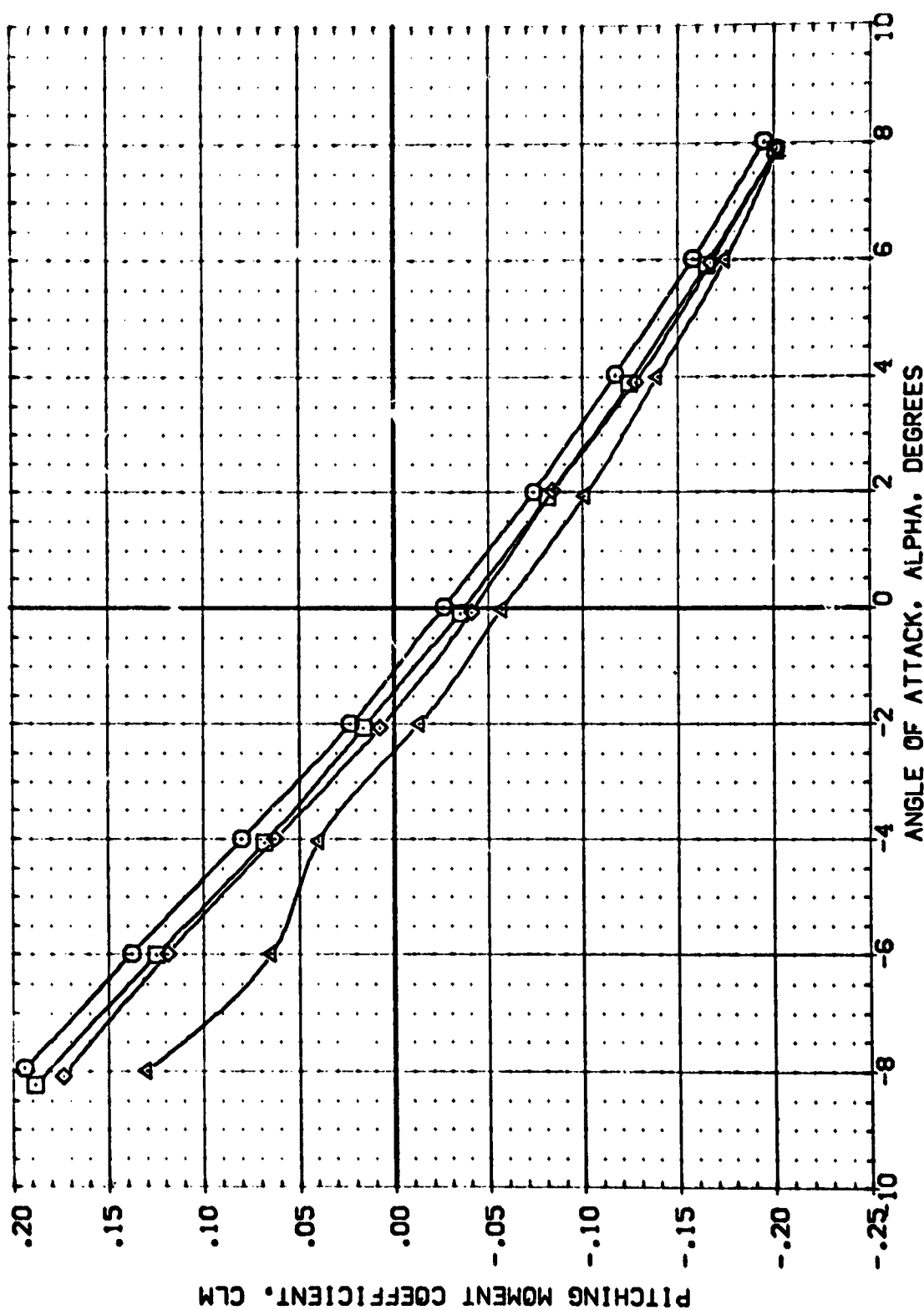
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	QPR	SRPR	POWER	GINBAL	REFERENCE INFORMATION
(CBV032)	ARC 97-710 IAI28 OI TI SI POWER OFF	.433	.469	.000	1.000	SREF 2690.0000 IN.
(CBV043)	ARC 97-710 IAI28 OI TI SI	.433	1.050	1.000	2.000	LREF 328.0000 IN.
(CBV044)	ARC 97-710 IAI28 OI TI SI	.433	1.050	1.000	2.000	BREF 328.0000 IN.
(CBV047)	ARC 97-710 IAI28 OI TI SI	.433	1.790	1.000	2.000	XREF 953.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190 IN.



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

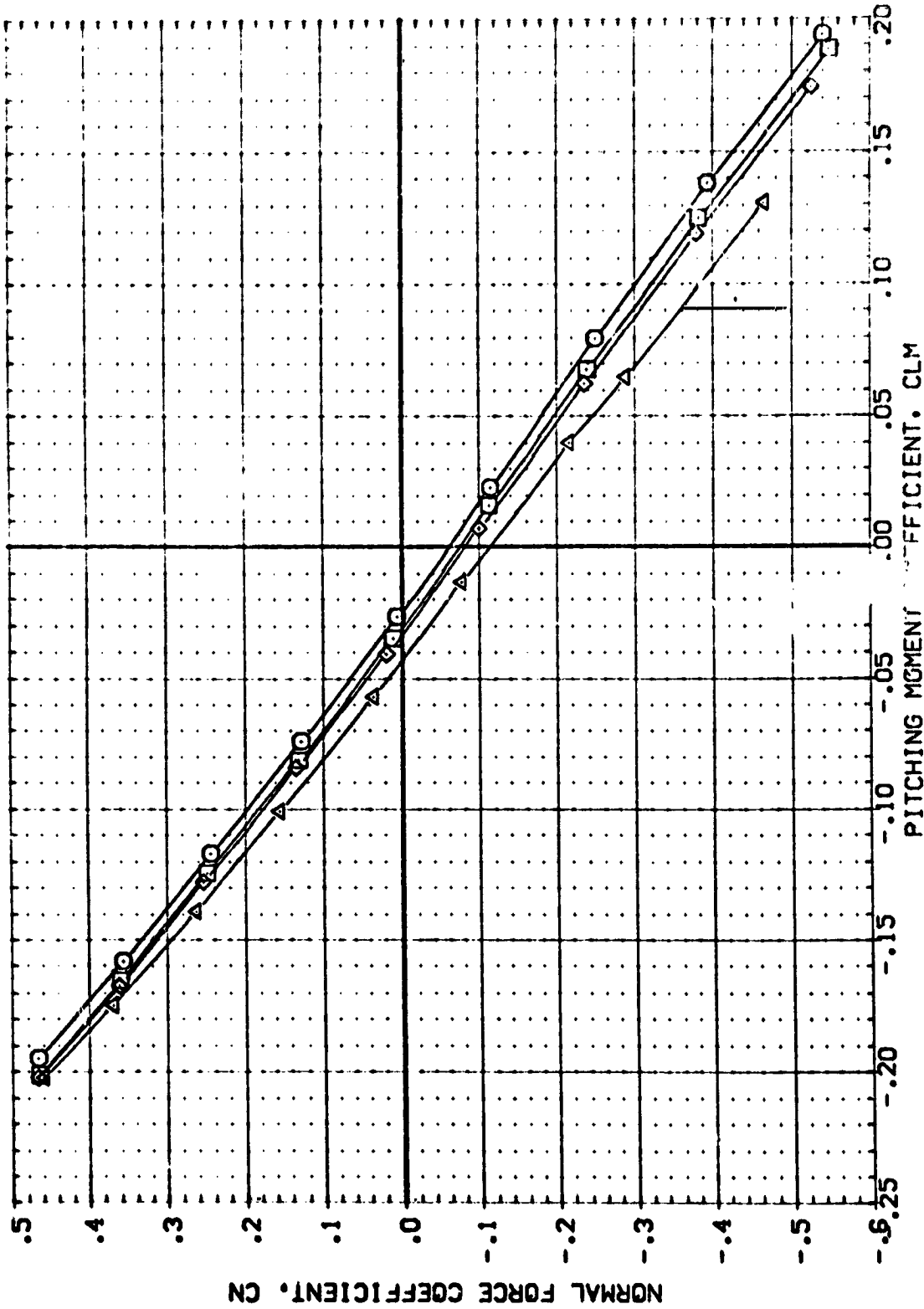
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SR-PR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV02)	ARC 97-710 IAI28 01 T1 S1 POWER OFF	.433	.469	.000	1.000	SREF 2690.0000 SO.FT.
(CBV03)	ARC 97-710 IAI28 01 T1 S1 CFB CN:SR-PR-NOMINAL	.433	.469	.000	1.000	LREF 1378.0000 N.
(CBV04)	ARC 97-710 IAI28 01 T1 S1 CFB CN:SR-PR-2.24XNDM	.433	1.050	1.000	2.000	BREF 1378.0000 N.
(CBV07)	ARC 97-710 IAI28 01 T1 S1 CFB CN:SR-PR-3.83XNDM	.433	1.750	1.000	2.000	XMRP 953.0000 N.
						YMRP 400.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

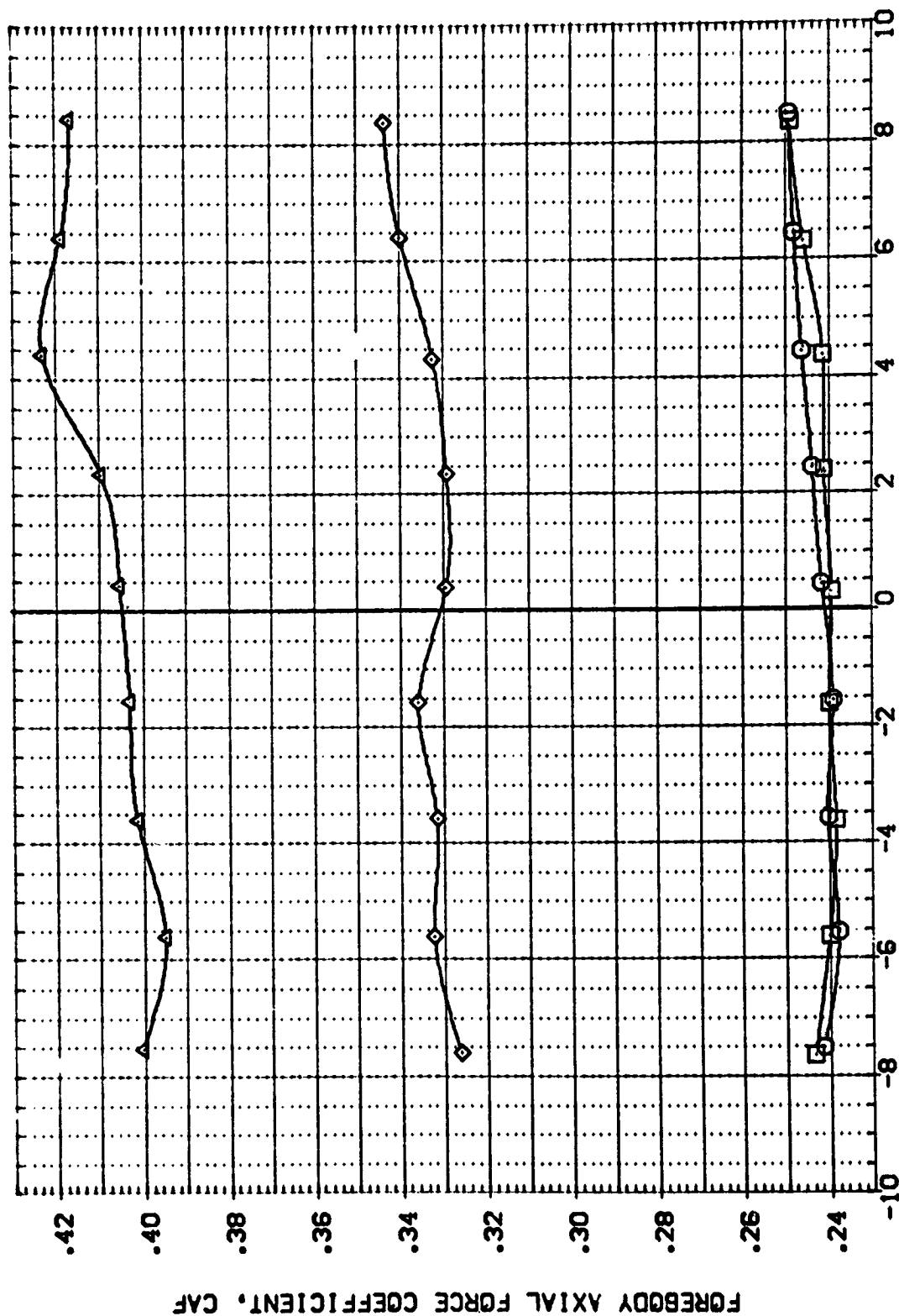
DATA SET SYMBOL		CONFIGURATION DESCRIPTION				OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION			
[CBV032]	ARC 97-710	AI	28	01	TI	SI	POWER OFF	.000	1.000	SREF	2890.0000	50.00	
[CBV043]	ARC 97-710	AI	28	01	TI	SI	DRB DN, SRPR-NOMINAL	.469	2.000	LRIF	1328.0000	1.00	
[CBV044]	ARC 97-710	AI	28	01	TI	SI	DRB DN, SRPR-2.24KNOH	1.050	2.000	BRIF	328.0000	1.00	
[CBV047]	ARC 97-710	AI	28	01	TI	SI	DRB DN, SRPR-3.63KNOH	1.790	2.000	VRIF	953.0000	1.00	
										ZREF	400.0000	1.00	
										SCALE	10.00	SCALE	



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	GINGER	REFERENCE INFORMATION
{CBV034}	ARC 97-710 IAI28 OI T1 S1 POWER OFF	.409	.557	.000	1.000	SREF 2690.0000 SQ.FT.
{CBV040}	ARC 97-710 IAI28 OI T1 S1 O58 ON SRMPR-NOMINAL	.409	1.245	1.000	2.000	LREF 1328.0000 IN.
{CBV049}	ARC 97-710 IAI28 OI T1 S1 O58 ON SRMPR-2.24XNOM	.409	2.128	1.000	2.000	BREF 1328.0000 IN.
{CBV048}	ARC 97-710 IAI28 OI T1 S1 O58 ON SRMPR-3.83XNOM					VMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190

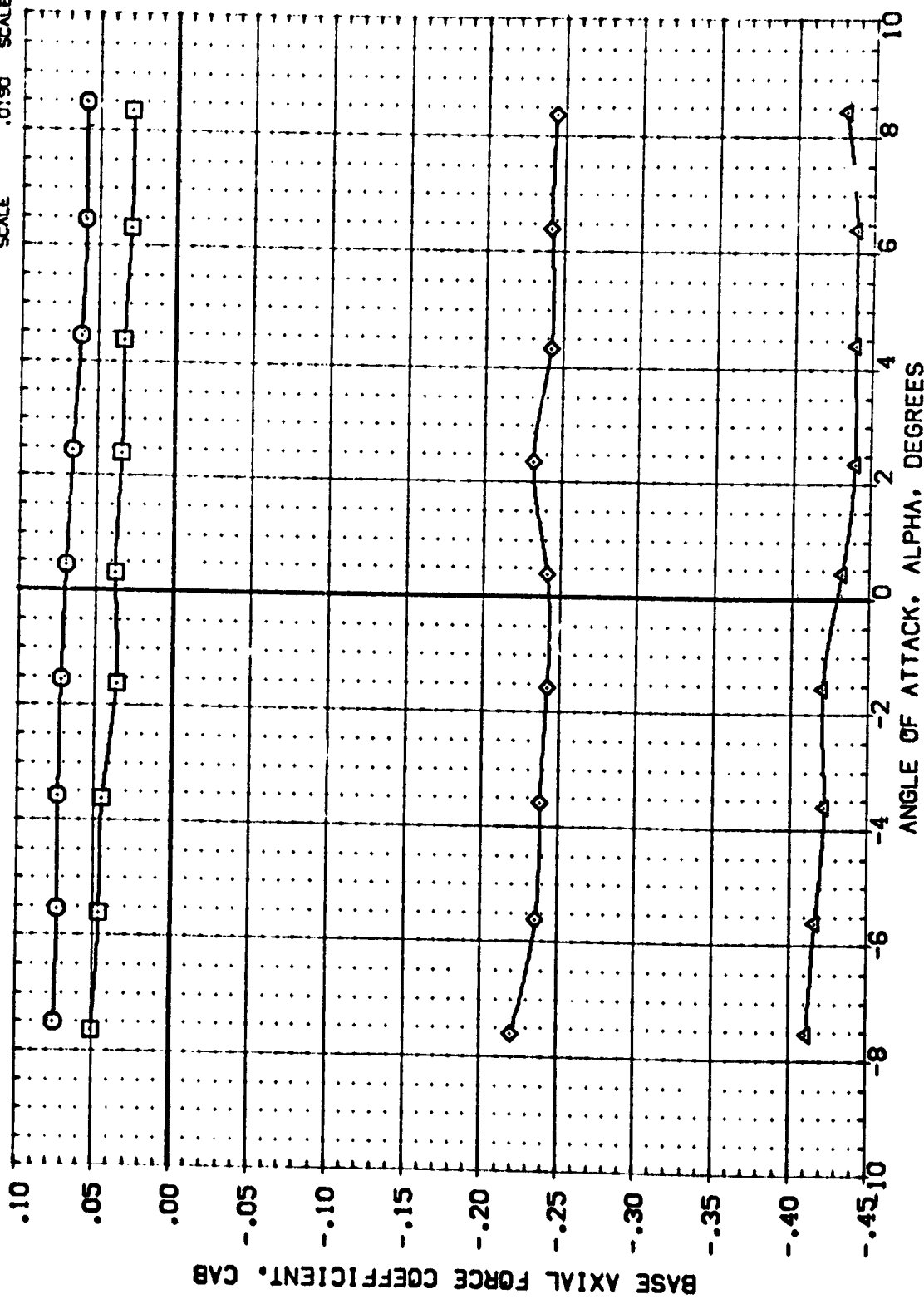


PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	GINGAL	REFERENCE INFORMATION
(CBV034)	ARC 97-710 IAI28 01 T1 SI POWER OFF					SREF 2690.0000 SQ.FT.
(CBV040)	ARC 97-710 IAI28 01 T1 SI C98 ON SRPR-NOMINAL	.409	.557	.000	1.000	LREF 1328.0000 IN.
(CBV049)	ARC 97-710 IAI28 01 T1 SI C98 ON SRPR-2.24XNOM	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
(CBV048)	ARC 97-710 IAI28 01 T1 SI C98 ON SRPR-3.83XNOM	.409	2.128	1.000	2.000	VMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190

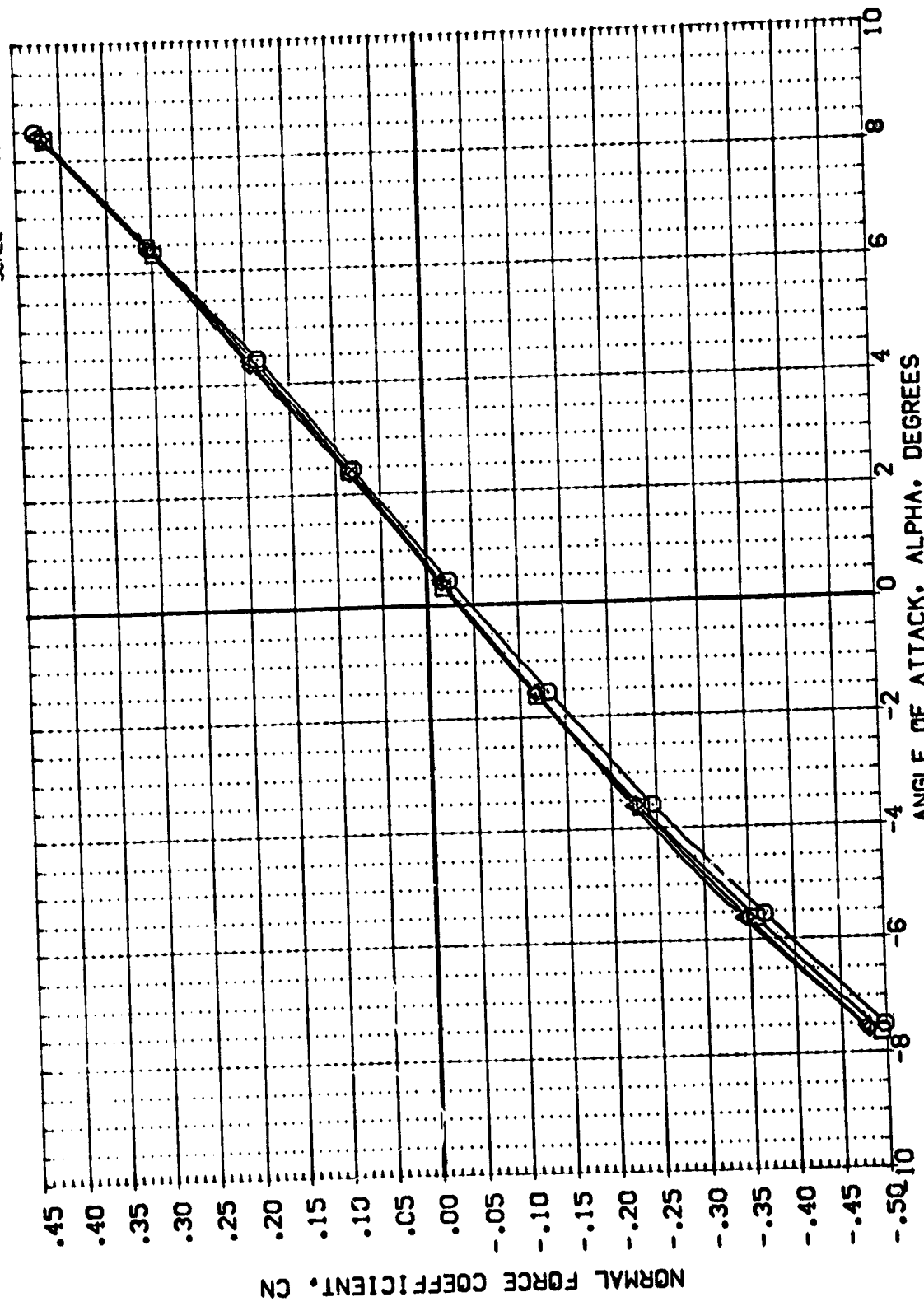


PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(MACH = 2.00

PAGE 120

DATA SET SYMBOL	CD	ORATION DESCRIPTION	DRR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV034)	ABC	87-7-30 AI28 01 T1 S1	.409	.557	.000	1.000	SREF 2690.0000 SQ.FT.
(CBV040)	ABC	87-7-30 AI28 01 T1 S1	.409	1.245	1.000	2.000	LREF 1328.0000 IN.
(CBV049)	ABC	87-7-30 AI28 01 T1 S1	.409	2.128	1.000	2.000	BREF 1328.0000 IN.
(CBV048)	ABC	87-7-30 AI28 01 T1 S1	.409				XMRP 953.0000 IN.
							YMRP 400.0000 IN.
							ZMRP 400.0000 IN.
							SCALE .0190

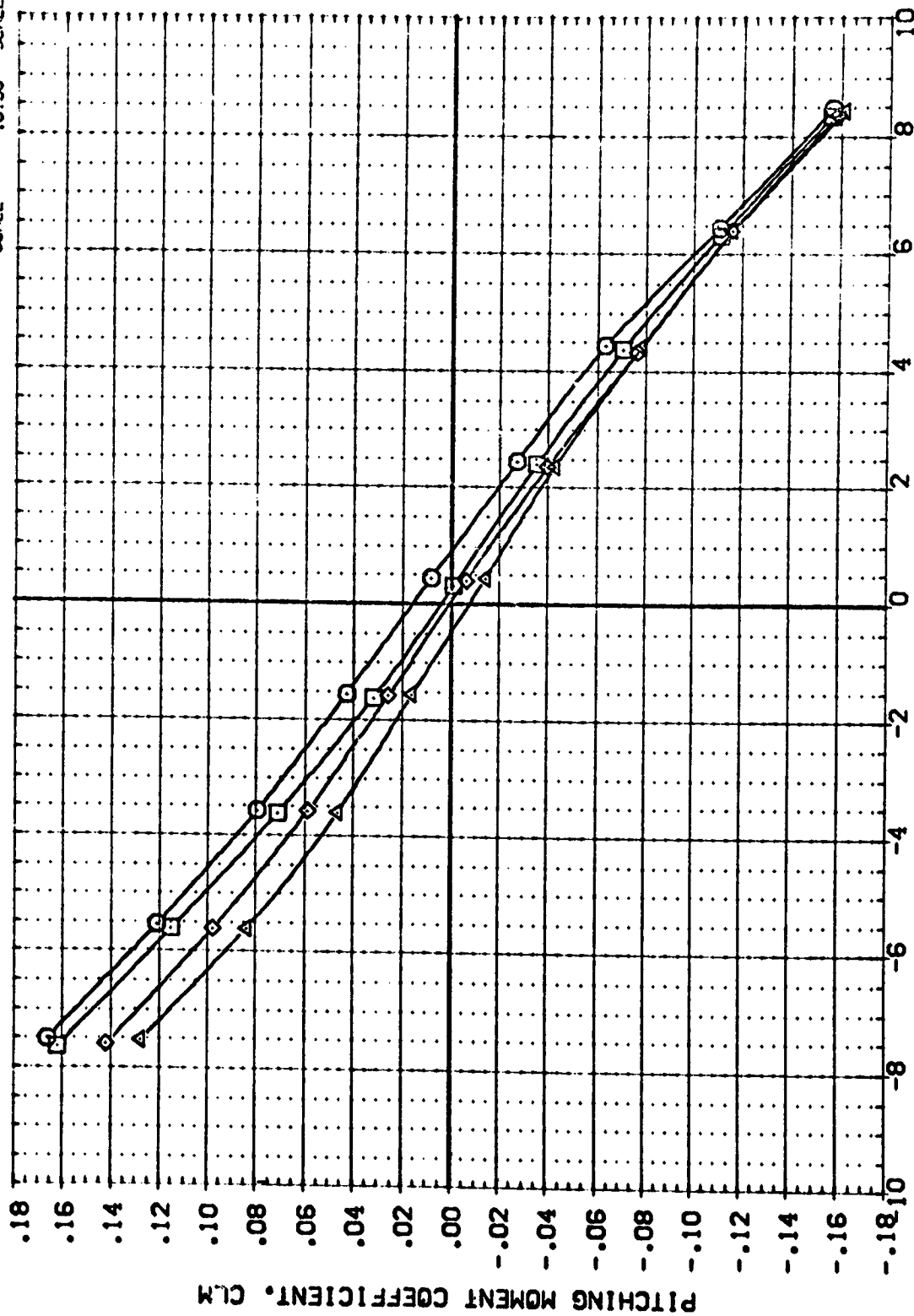


PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS
 (A)MACH = 2.00



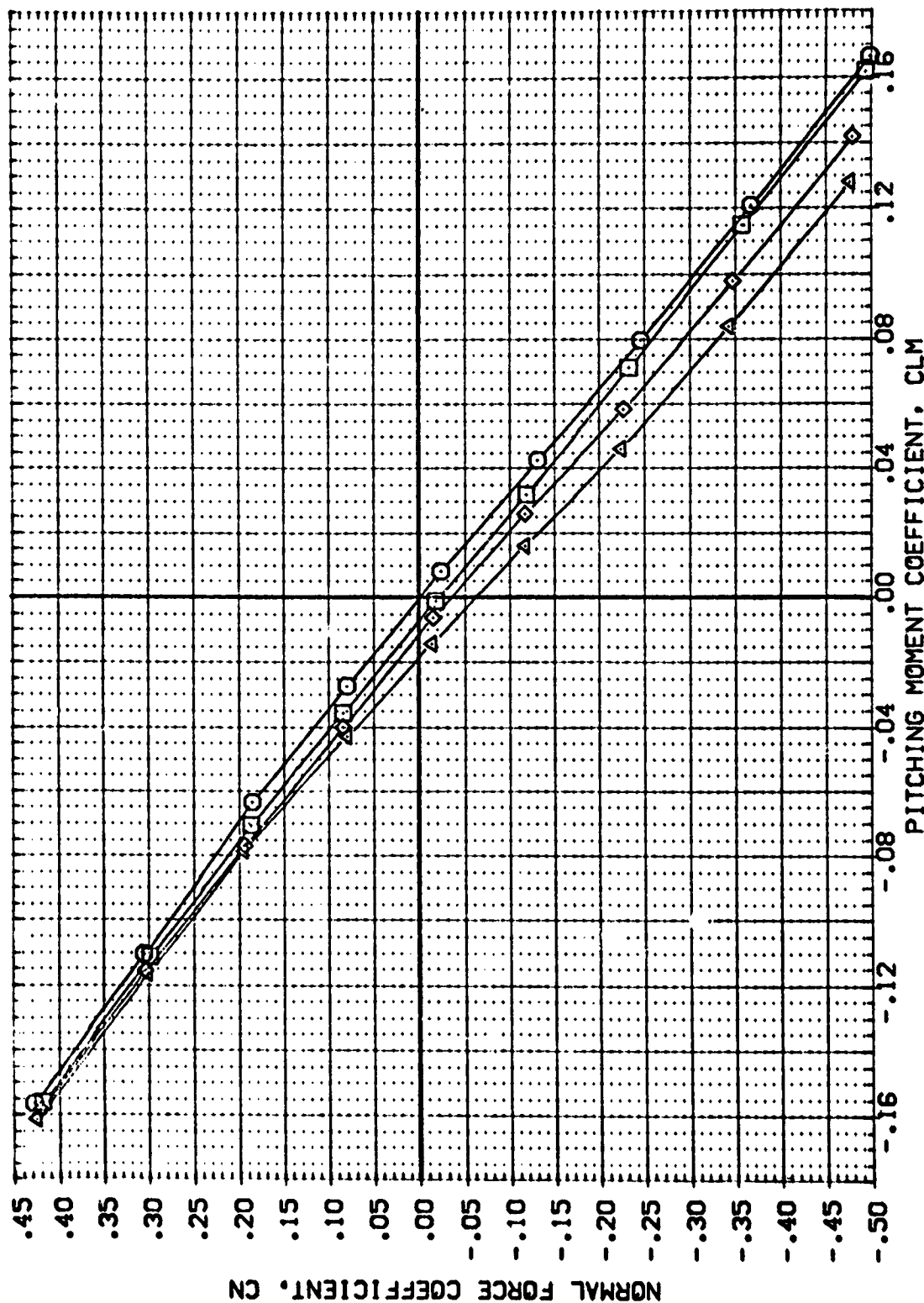
DATA SET SYMBOL CONFIGURATION DESCRIPTION DPR SRPR POWER GIMBAL REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV034)	ARC 97-710 [A128 01 T1 S1] POWER OFF			.000	1.000	SREF 2690.0000 SQ.FT.
(CBV043)	ARC 97-710 [A128 01 T1 S1] 0.58 ON, SRPR=2.24X10M	.409	.557	1.000	2.000	LREF 1328.0000 IN.
(CBV049)	ARC 97-710 [A128 01 T1 S1] 0.58 ON, SRPR=2.24X10M	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
(CBV048)	ARC 97-710 [A128 01 T1 S1] 0.58 ON, SRPR=3.83X10M	.409	2.128	1.000	2.000	XPRP 953.0000 IN.
						YPRP .0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS
(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DRR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(CBV034)	ARC 97-710 (A128 C1 T1) S1 POWER OFF			.000	1.000	SREF 2690.0000 SQ.FT.
(CBV043)	ARC 97-710 (A128 C1 T1) S1 C-98 ON, SRPR-NOMINAL	.409	.557	1.000	2.000	LREF 1328.0000 IN.
(CBV049)	ARC 97-710 (A128 C1 T1) S1 C-98 ON, SRPR-2.24X NOM	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
(CBV048)	ARC 97-710 (A128 C1 T1) S1 C-98 ON, SRPR-3.83X NOM	.409	2.128	1.000	2.000	XPRP 953.0000 IN.
						YPRP .0200 IN.
						Z-PRP 400.0000 IN.
						SCALE .0190



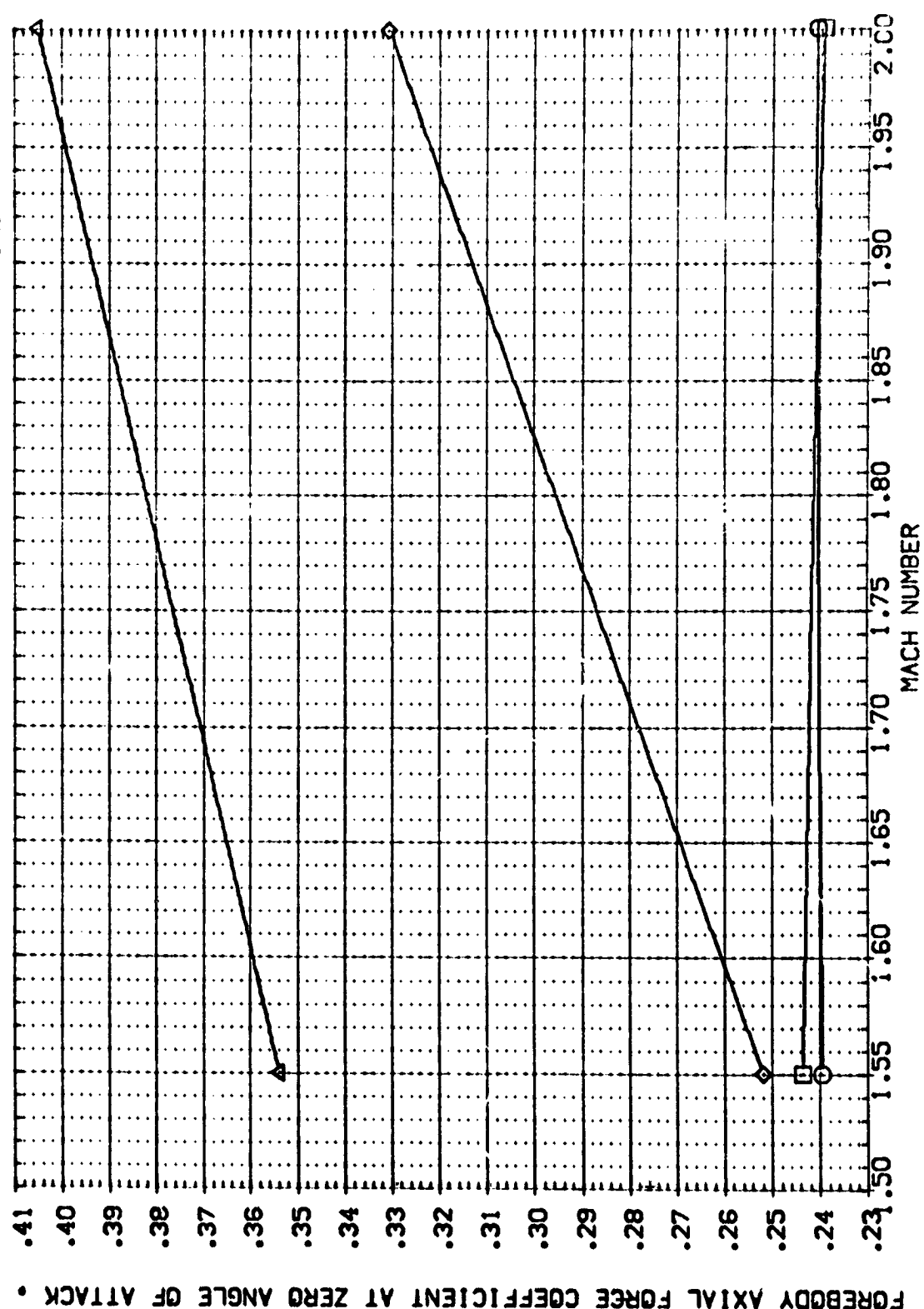
PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(AJMACH = 2.00



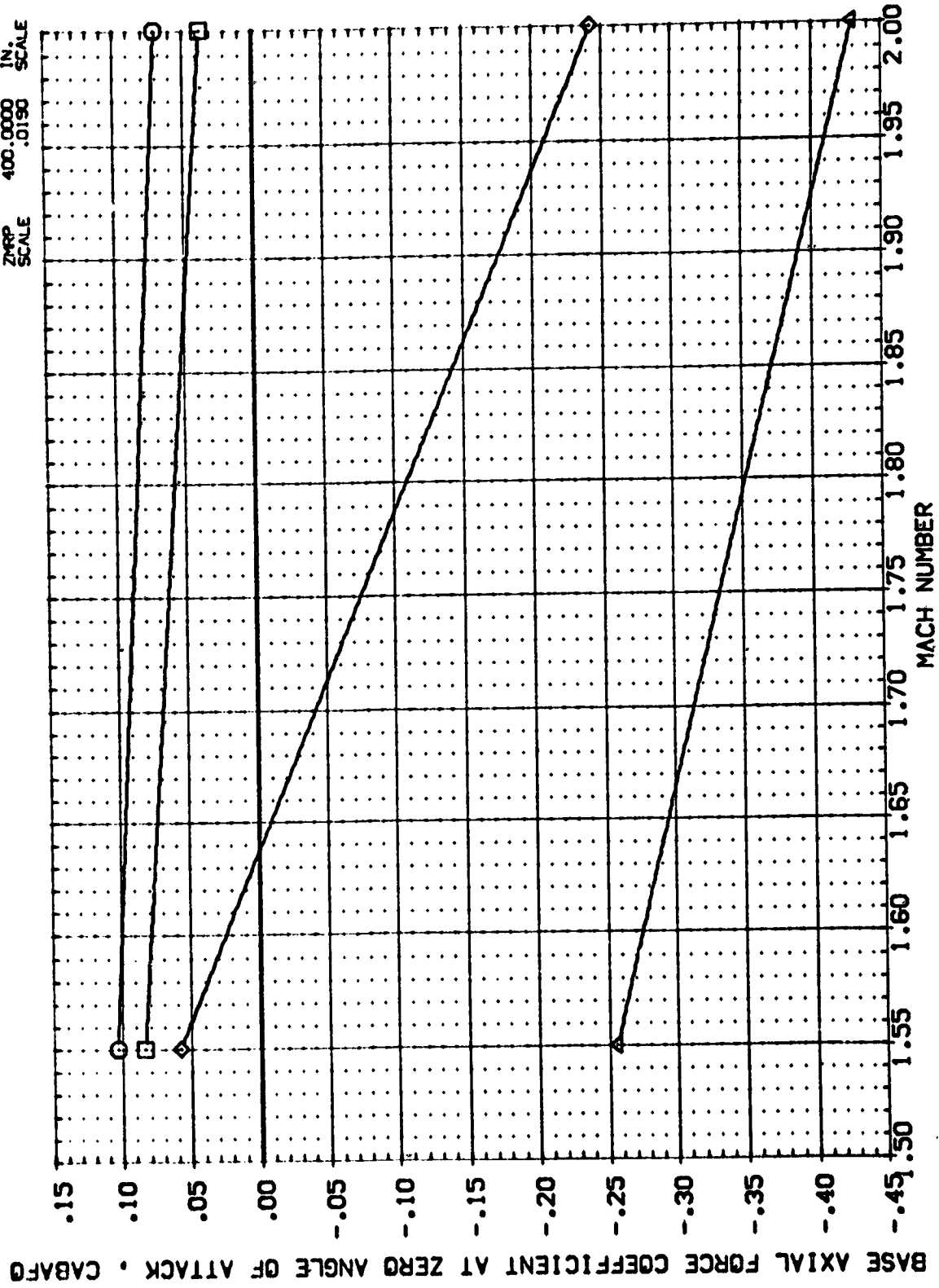
DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

(FBV032)	ARC 97-710 [A128 01 T1 S1]	POWER OFF	10.000	1.000	SREF 2690.0000	50. FT.
(FBV043)	ARC 97-710 [A128 01 T1 S1]	ON: SHPR-2.24000M	1.000	2.000	LREF 1328.0000	IN.
(FBV044)	ARC 97-710 [A128 01 T1 S1]	ON: SHPR-2.24000M	1.000	2.000	BREF 1328.0000	IN.
(FBV047)	ARC 97-710 [A128 01 T1 S1]	ON: SHPR-3.83000M	1.000	2.000	YPRP 953.0000	IN.
					ZPRP 400.0000	IN.
					SCALE .0190	SCALE



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	REFERENCE INFORMATION
(FBV032)	ARC 97-710 (A128 01 T1 S1) POWER OFF	.000	10.000	1.000	SREF 2690.0000 SQ.FT.
(FBV043)	ARC 97-710 (A128 01 T1 S1) ORB ON: SREF-NOMINAL	1.000	.000	2.000	LREF 1328.0000 IN.
(FBV044)	ARC 97-710 (A128 01 T1 S1) ORB ON: SREF-2.24XNOM	1.000	.000	2.000	BREF 1328.0000 IN.
(FBV047)	ARC 97-710 (A128 01 T1 S1) ORB ON: SREF-3.63XNOM	1.000	.000	2.000	YMRP 953.0000 IN.
					ZMRP 400.0000 IN.
					SCALE .0190



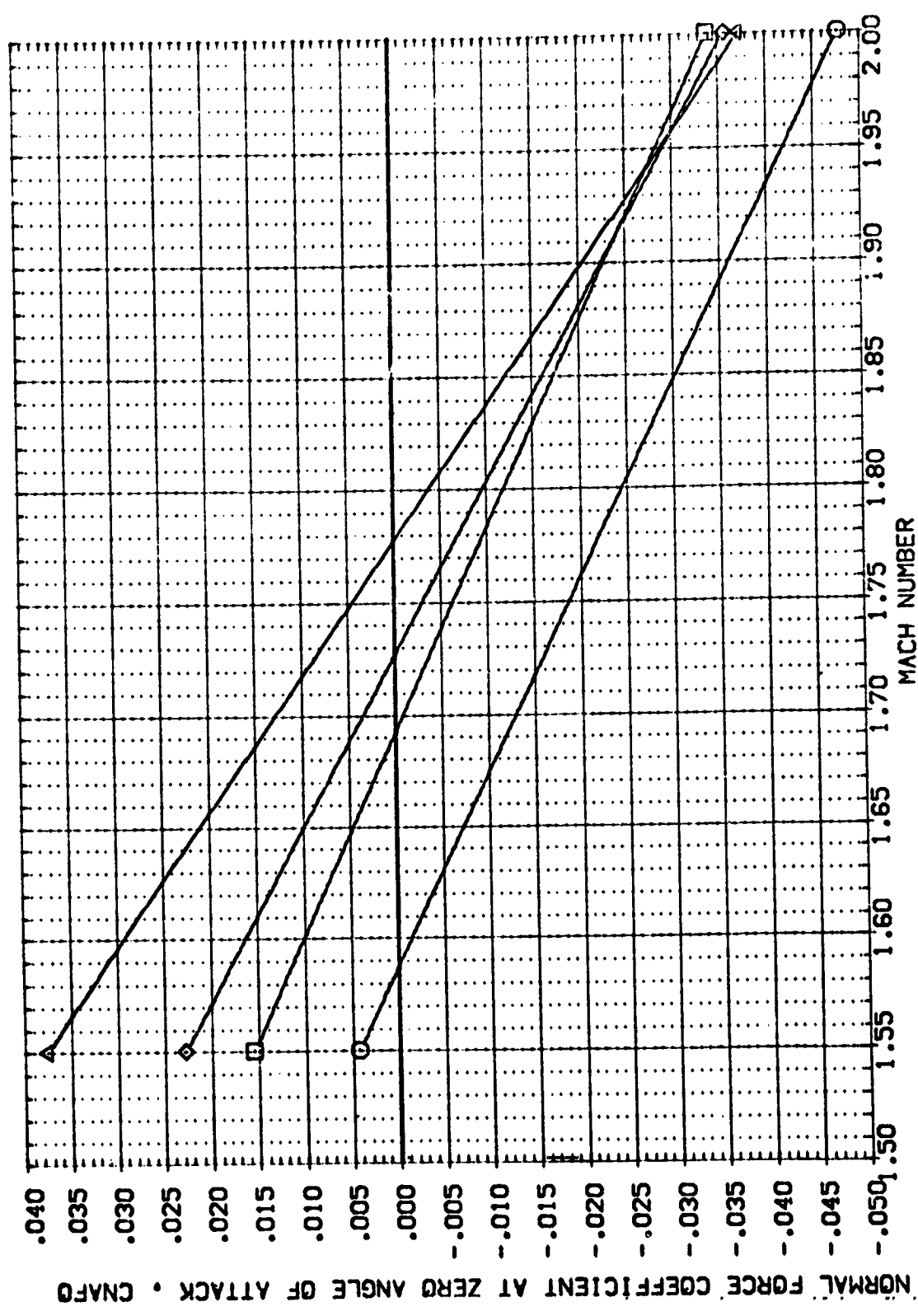
PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 553.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190

POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 .000 2.000
 1.000 .000 2.000
 1.000 .000 2.000

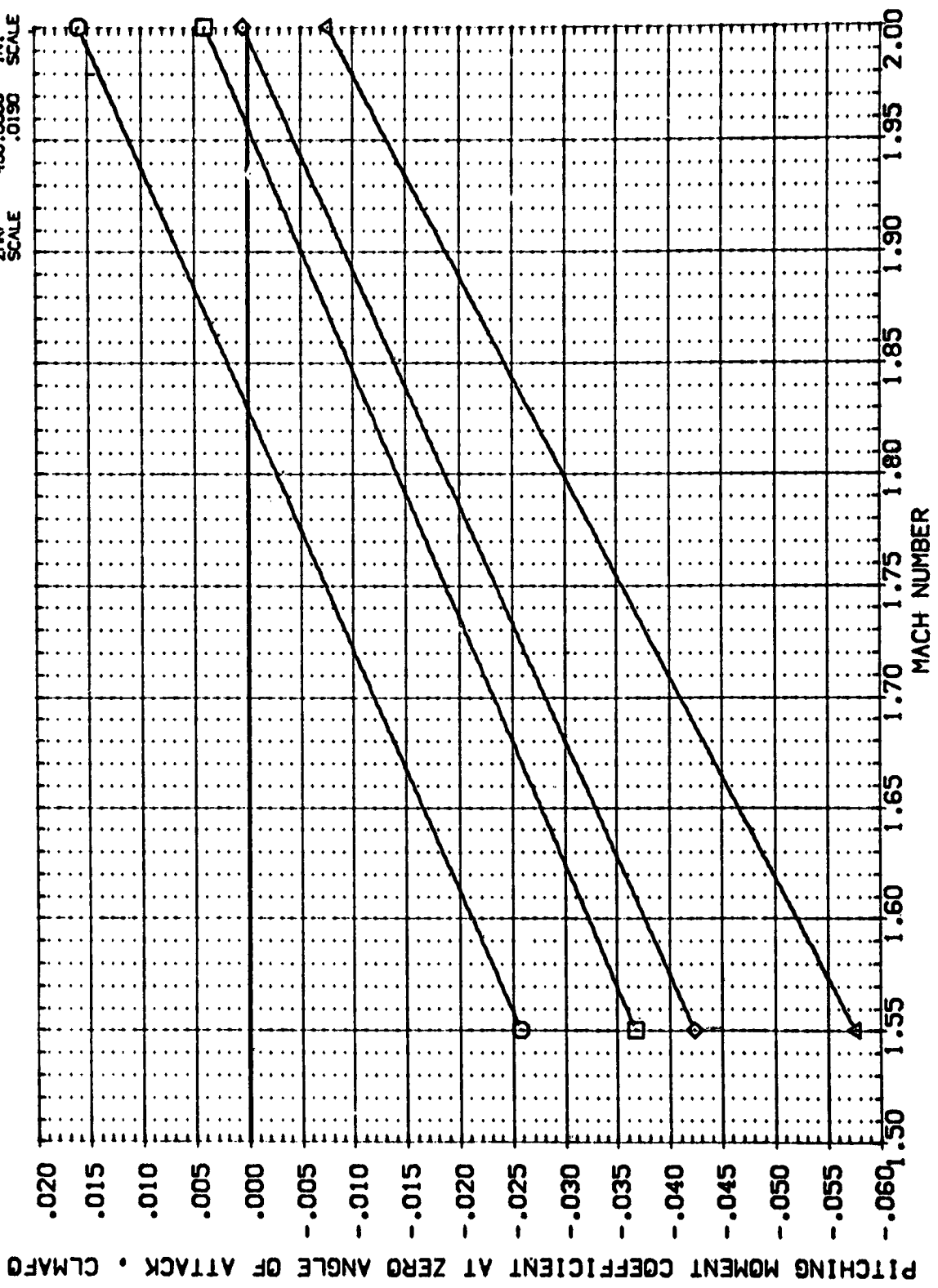
CONFIGURATION DESCRIPTION
 ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 ORB ON: SRRP-NOMINAL
 ARC 97-710 1A128 01 T1 S1 ORB ON: SRRP-2.24XNOM
 ARC 97-710 1A128 01 T1 S1 ORB ON: SRRP-3.83XNOM

DATA SET SYMBOL
 (FBV032)
 (FBV043)
 (FBV044)
 (FBV047)



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	REFERENCE INFORMATION
(FBVC32)	ARC 57-710 1A128 CI TI SI POWER OFF	.000	10.000	1.000	SREF 2690.0000 SQ.FT.
(FBVC43)	ARC 57-710 1A128 CI TI SI CRB ON, SRRPR-NOMINAL	1.000	.000	2.000	LREF 1328.0000 IN.
(FBVC44)	ARC 57-710 1A128 CI TI SI CRB ON, SRRPR-2.24XNOM	1.000	.000	2.000	BREF 1328.0000 IN.
(FBVC47)	ARC 57-710 1A128 CI TI SI CRB ON, SRRPR-3.83XNOM	1.000	.000	2.000	XMRP 953.0000 IN.
					YMRP .0000 IN.
					ZMRP 400.0000 IN.
					SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

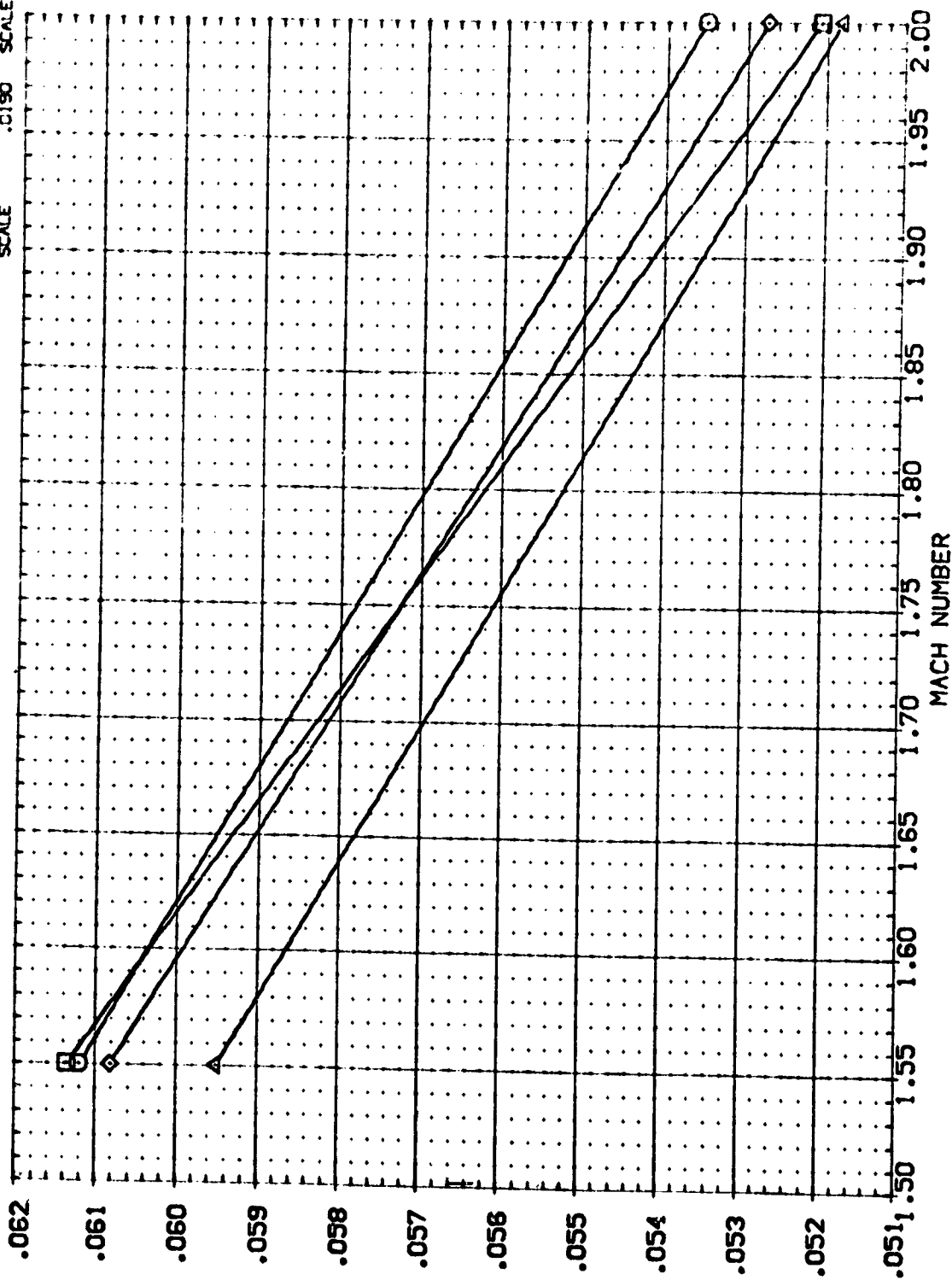
NORMAL FORCE COEFFICIENT DERIVATIVE WITH ALPHA, CNALFA, PER DEGREE

DATA SET SYMBOL CONFIGURATION DESCRIPTION

ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S1 058 DN, SRPR-NOMINAL
 ARC 97-710 1A128 01 T1 S1 058 DN, SRPR-2.24XNDM
 ARC 97-710 1A128 01 T1 S1 058 DN, SRPR-3.63XNDM

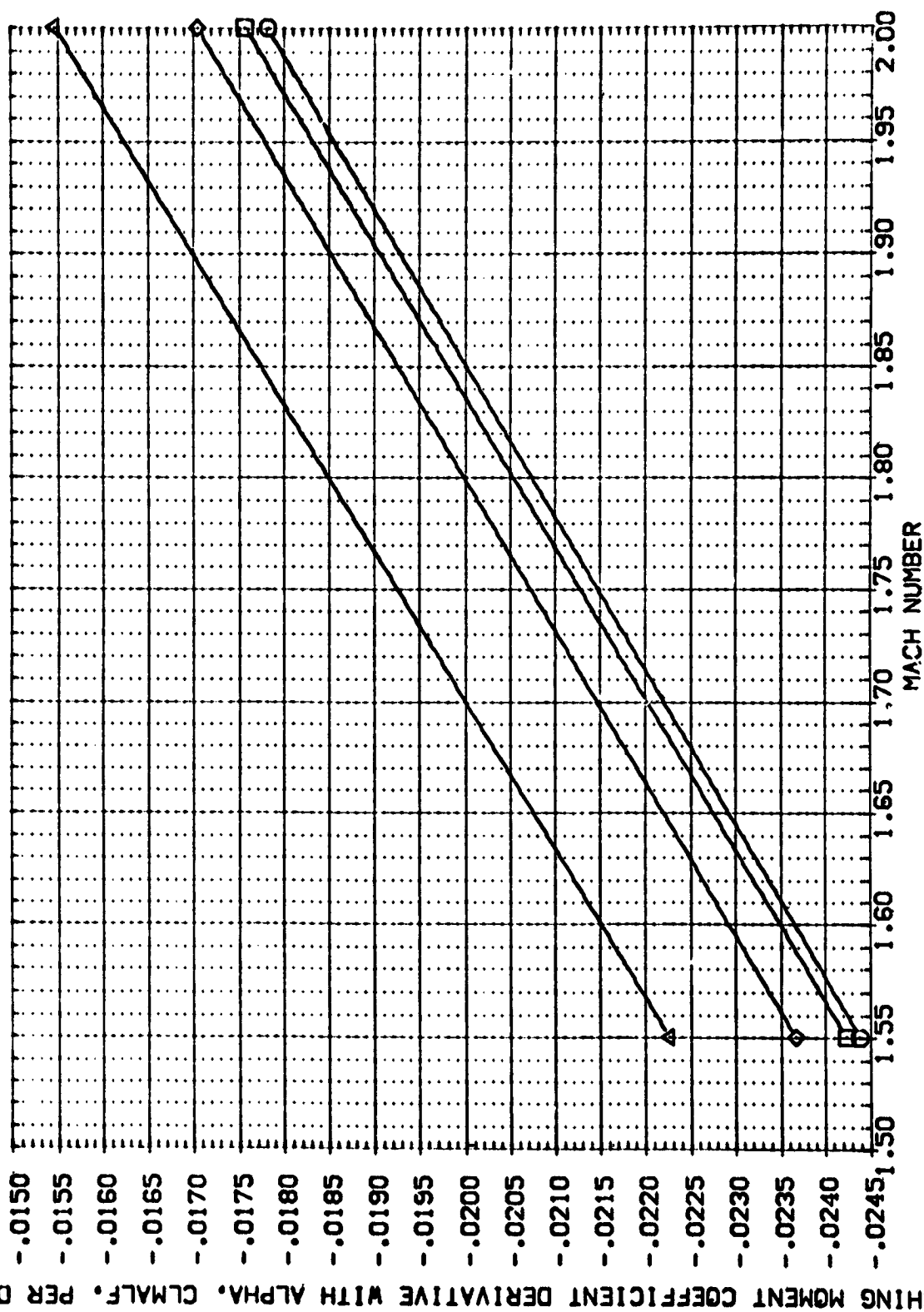
POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 .000 2.000
 1.000 .000 2.000
 1.000 .000 2.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XMRP 953.0000 N.
 YMRP .0000 N.
 ZMRP 400.0000 N.
 SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	REFERENCE INFORMATION
(FBV32)	ARC 97-710 [A129 01 T1 S1] POWER OFF	.000	0.000	1.000	SREF 2690.0000 SQ.FT.
(FBV33)	ARC 97-710 [A128 01 T1 S1] DB8 ON, SRPR-NOMINAL	1.000	.000	2.000	LREF 1328.0000 IN.
(FBV34)	ARC 97-710 [A128 01 T1 S1] DB8 ON, SRPR-2.24XNOM	1.000	.000	2.000	BREF 1378.0000 IN.
(FBV37)	ARC 97-710 [A128 01 T1 S1] DB8 ON, SRPR-3.63XNOM	1.000	.000	2.000	XPRP 953.0000 IN.
					YPRP 400.0000 IN.
					ZPRP 400.0000 IN.
					SCALE .0190



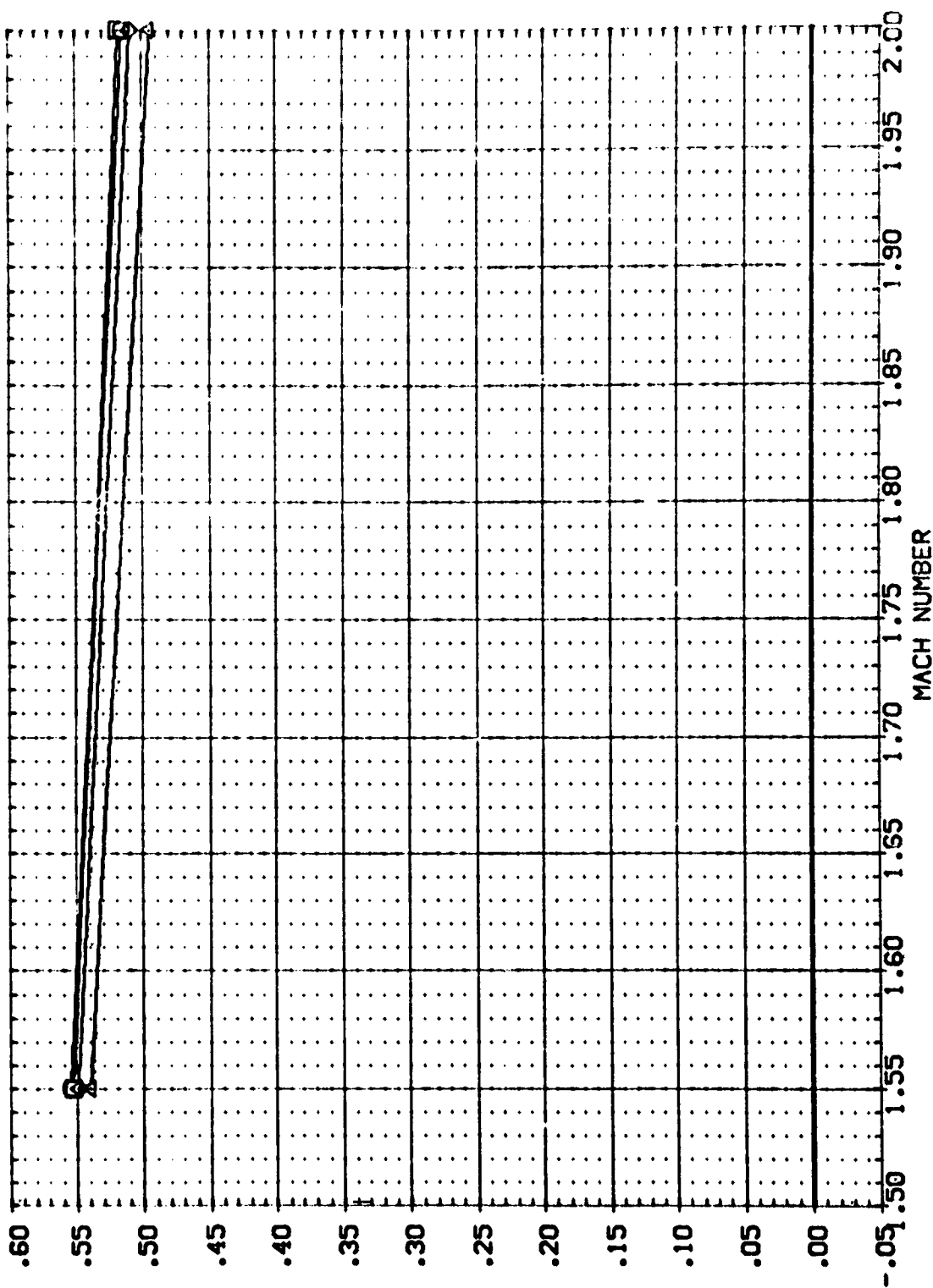
PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

FBV032 ARC 97-710 A128 01 T1 S1 POWER OFF .000 10.000 1.000
 FBV043 ARC 97-710 A128 01 T1 S1 OSB ON, SRPR-NOMINAL 1.000 .000 2.000
 FBV044 ARC 97-710 A128 01 T1 S1 OSB ON, SRPR-2.24XNDH 1.000 .000 2.000
 FBV047 ARC 97-710 A128 01 T1 S1 OSB ON, SRPR-3.63XNDH 1.000 .000 2.000

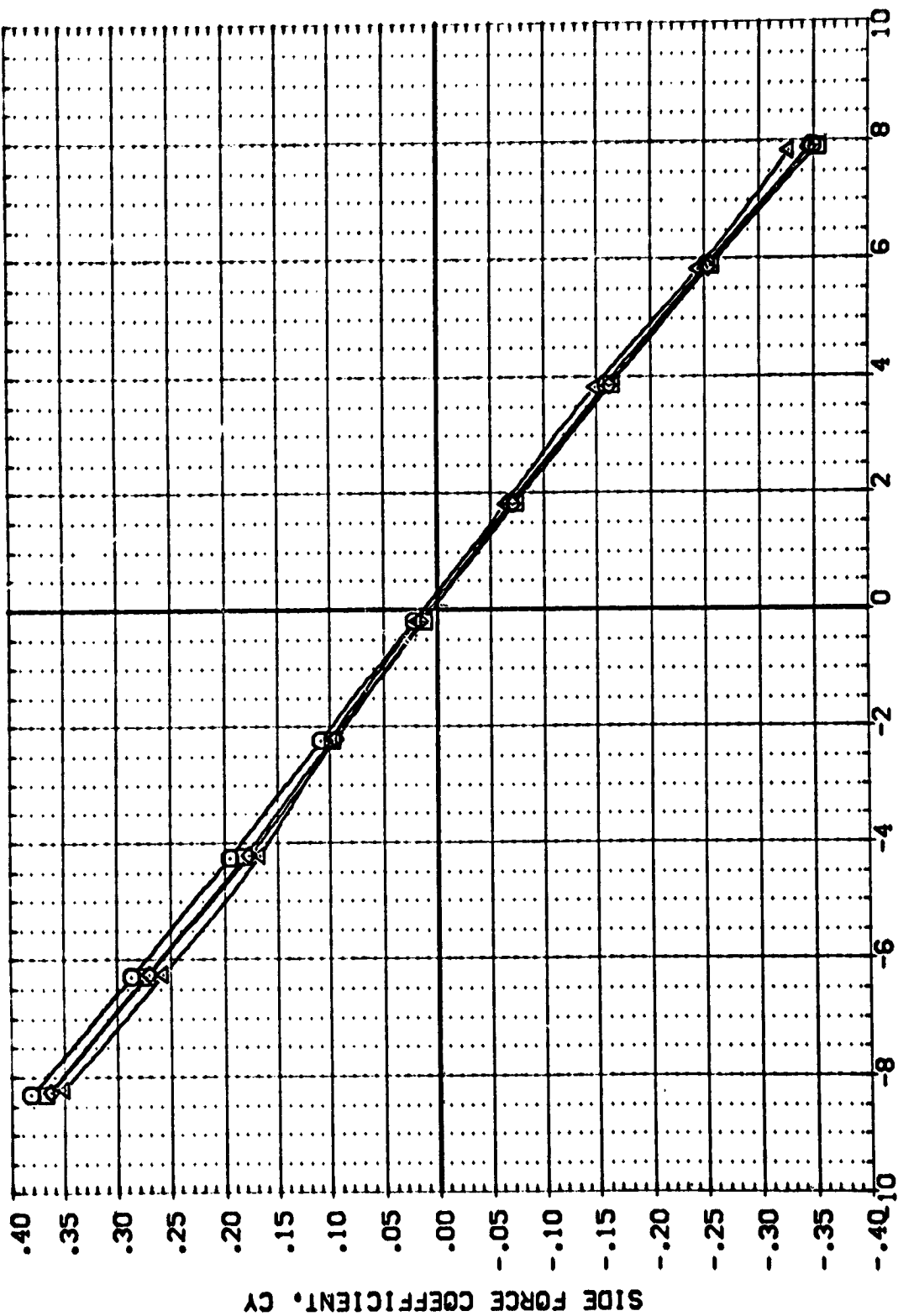
SREF 2690.0000 50. FT.
 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 407.0000 IN.
 ZPRP 0.0000 IN.
 SCALE 0.0190 SCALE

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH



PLUME SIZE WITH NOZZLES UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

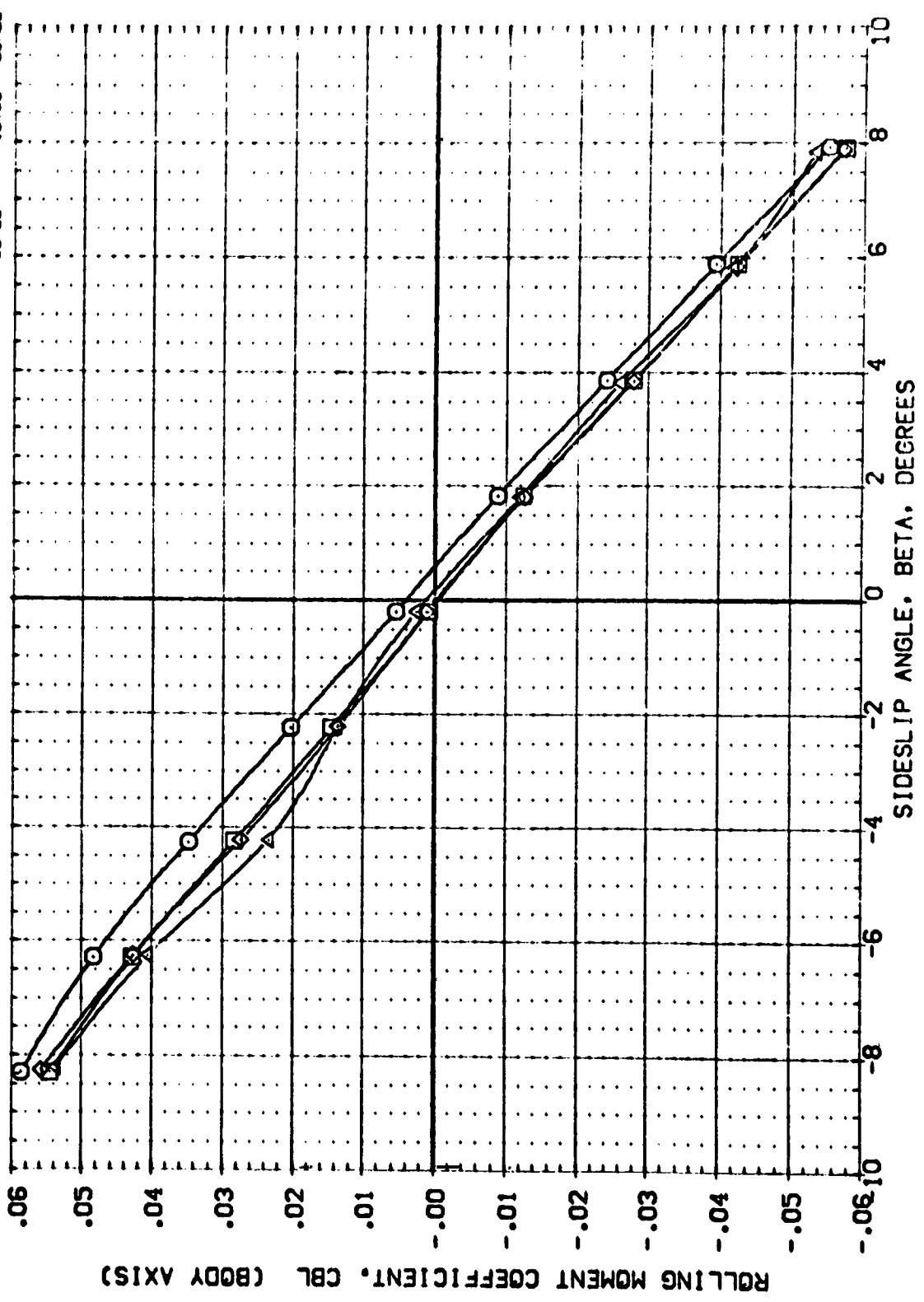
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
[BBV033]	ARC 97-710 [A128 01 T1 S1] POWER OFF	.433	.469	.000	1.000	SREF 2690.0000 SQ.FT.
[BBV042]	ARC 97-710 [A128 01 T1 S1] OPR ON SRPR-NOMINAL	.433	1.050	1.000	2.000	LREF 1328.0000 IN.
[BBV045]	ARC 97-710 [A128 01 T1 S1] OPR ON SRPR-2.24XOCH	.433	1.750	1.000	2.000	BREF 1328.0000 IN.
[BBV046]	ARC 97-710 [A128 01 T1 S1] OPR ON SRPR-3.83XOCH	.433	1.750	1.000	2.000	YPRP 953.0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(M)MACH = 1.55

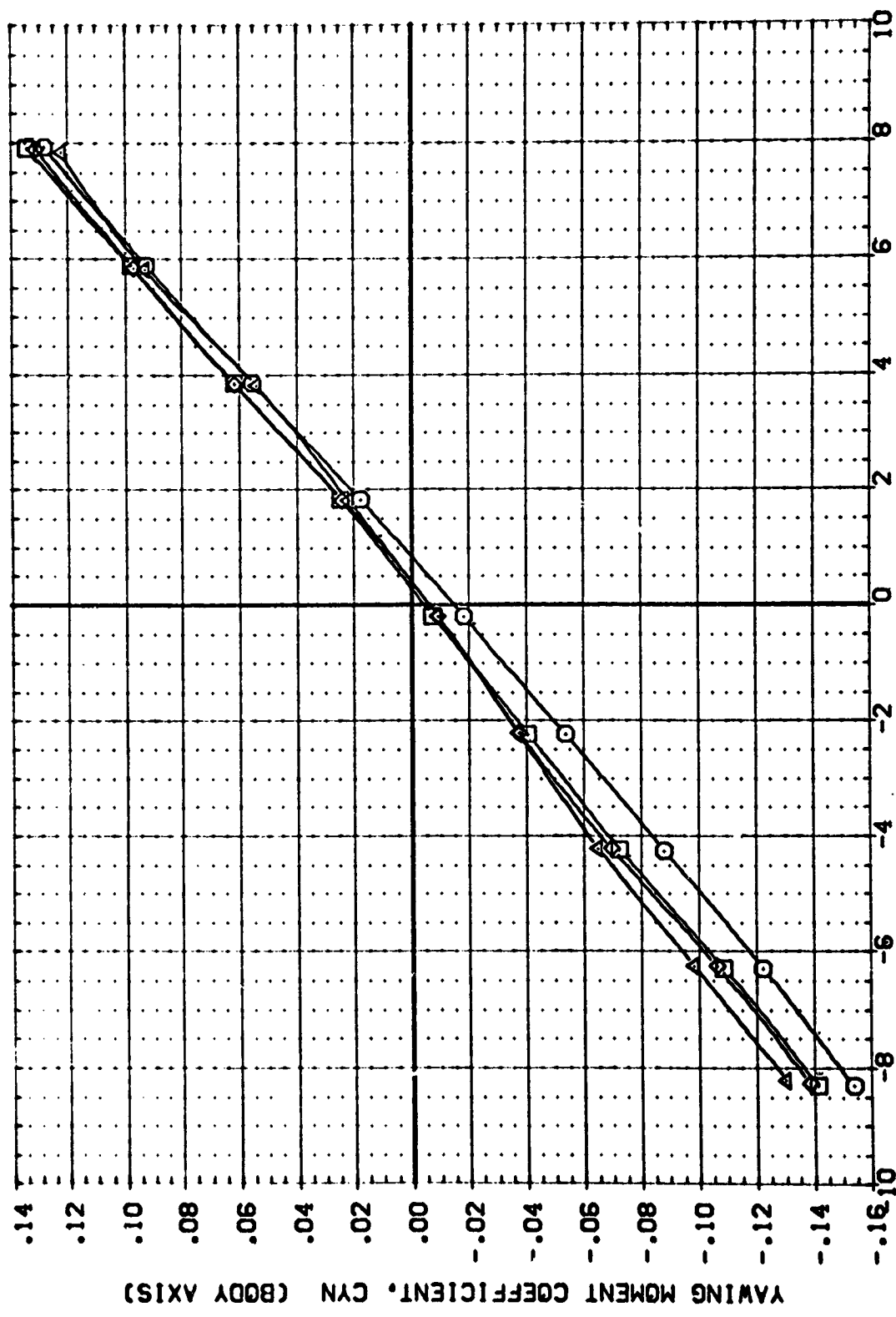
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SR-PR	POWER	GIMBAL	REFERENCE INFORMATION
(BBV033)	ARC 97-710 1A128 01 T1 S1 POWER OFF			.000	1.000	SREF 2650.0000 SQ.FT.
(BBV042)	ARC 97-710 1A128 01 T1 S1 ORB ON, SR-PR-NOMINAL	.433	.469	1.000	2.000	LREF 1328.0000 IN.
(BBV045)	ARC 97-710 1A128 01 T1 S1 ORB ON, SR-PR-2.24X-NOM	.433	1.050	1.000	2.000	BREF 1328.0000 IN.
(BBV046)	ARC 97-710 1A128 01 T1 S1 ORB ON, SR-PR-3.83X-NOM	.433	1.790	1.000	2.000	VREF 953.0000 IN.
						WREF 400.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

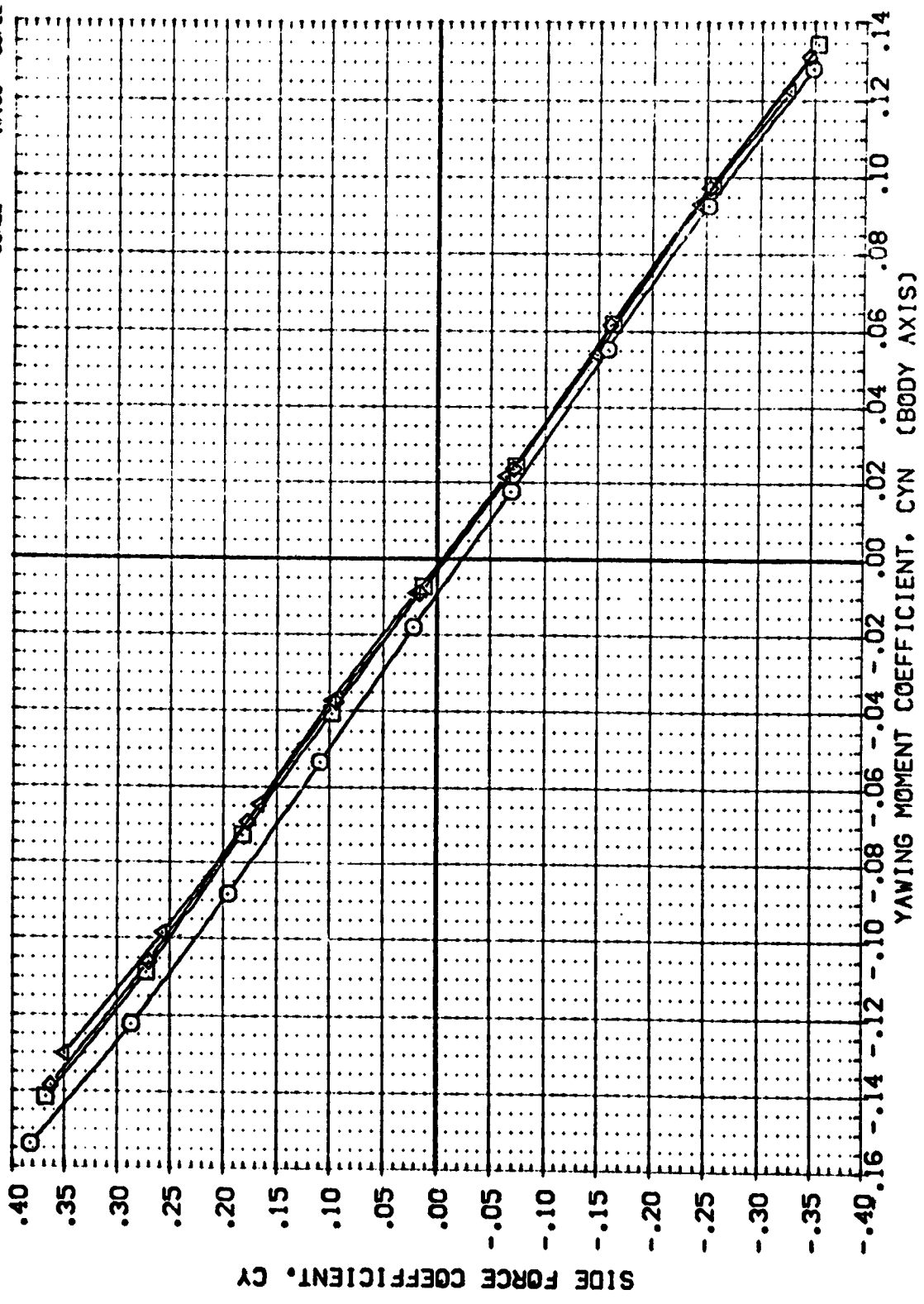
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(BBV033)	ARC 97-710 [A]28 01 T1 S1 POWER OFF	.433	.469	.000	1.000	SREF 2690.0000 50.FT.
(BBV042)	ARC 97-710 [A]28 01 T1 S1 CR8 ON SRPR-NOMINAL	.433	1.050	1.000	2.000	LREF 1328.0000 IN.
(BBV045)	ARC 97-710 [A]28 01 T1 S1 CR8 ON SRPR-2.24XNDH	.433	1.790	1.000	2.000	BREF 1328.0000 IN.
(BBV046)	ARC 97-710 [A]28 01 T1 S1 CR8 ON SRPR-3.63XNDH					YMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

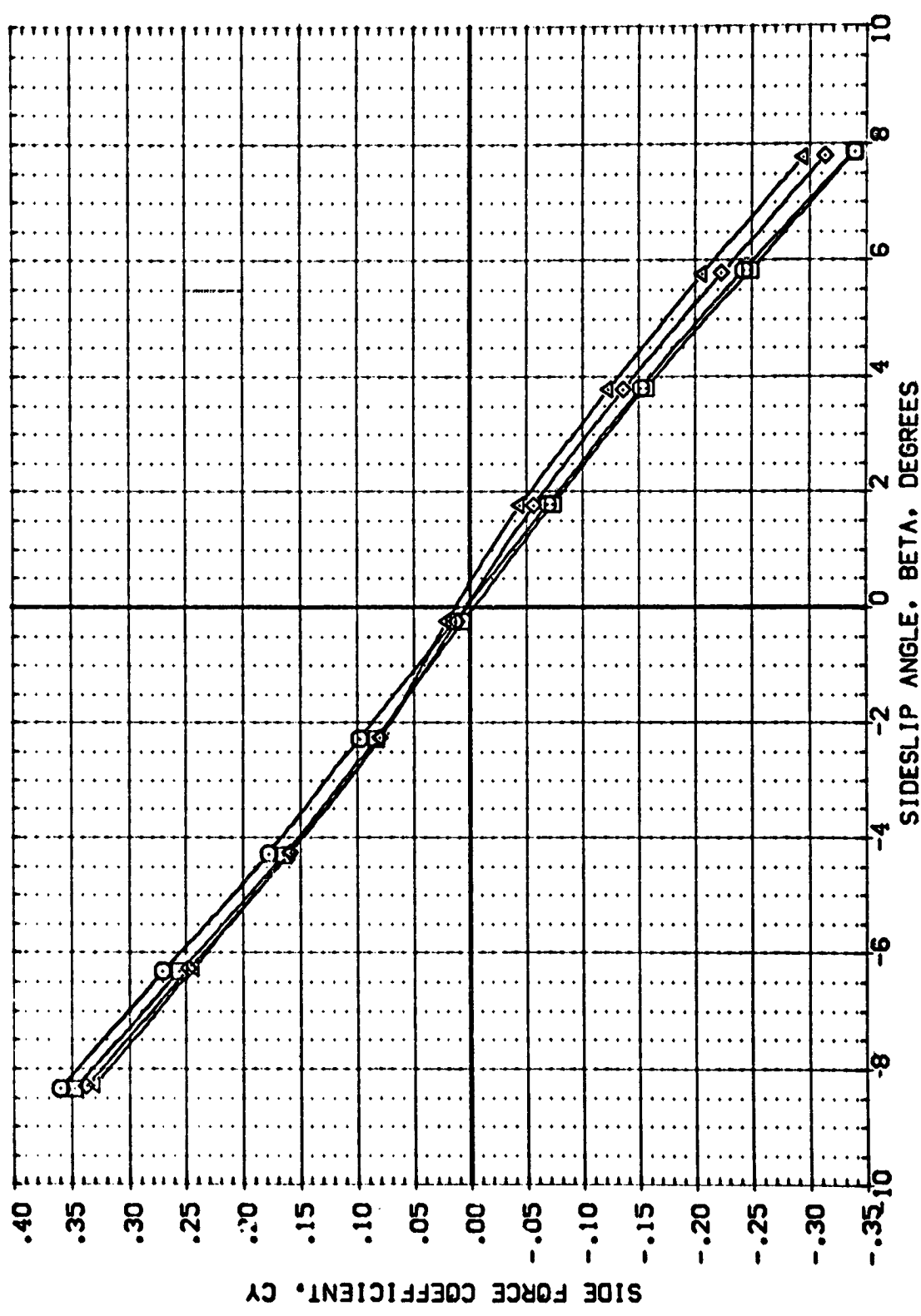
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(BBV033)	ARC 97-710	AI28	01	TI	SI	POWER OFF	1.000	SREF	2690.0000
(BBV042)	ARC 97-710	AI28	01	TI	SI	OR8 ON, SRRPR-NOMINAL	2.000	LREF	1328.0000
(BBV045)	ARC 97-710	AI28	01	TI	SI	OR8 ON, SRRPR=2.24XNDM	2.000	BREF	1328.0000
(BBV046)	ARC 97-710	AI28	01	TI	SI	OR8 ON, SRRPR=3.83XNDM	2.000	YREF	953.0000
								ZYREF	400.0000
								SCALE	0.19C
									SCALE



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

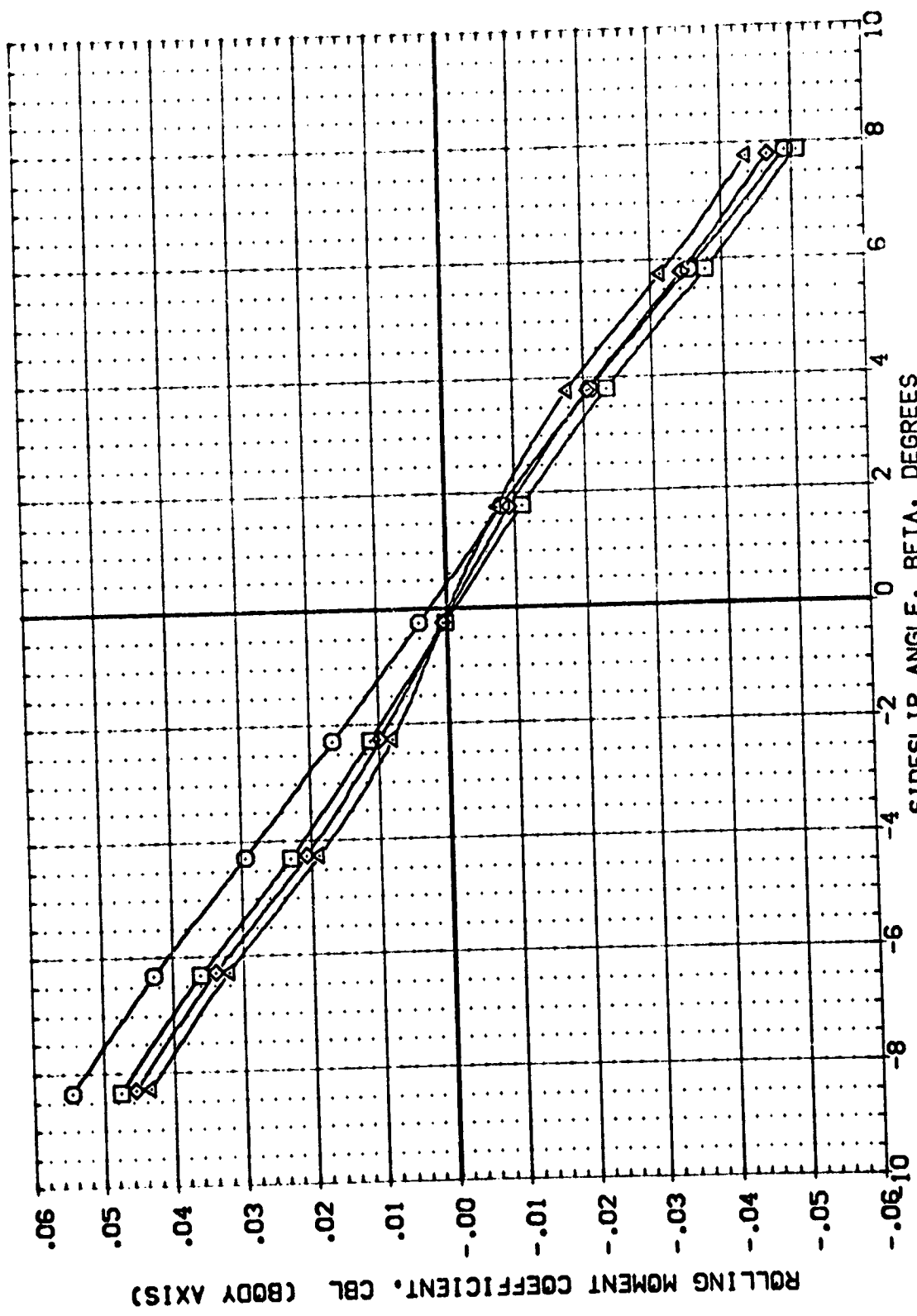
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
[BBV035]	ARC 97-710 [A128 01 T1 S1 POWER OFF			.000	1.000	SREF 2690.0000 SQ.FT.
[BBV041]	ARC 97-710 [A128 01 T1 S1 OPR ON, SRPR-NOMINAL	.409	.557	1.000	2.000	LREF 1328.0000 IN.
[BBV050]	ARC 97-710 [A128 01 T1 S1 OPR ON, SRPR=2.24XNOM	.409	1.245	1.000	2.000	BREF 1328.0000 IN.
[BBV051]	ARC 97-710 [A128 01 T1 S1 OPR ON, SRPR=3.83XNOM	.409	2.128	1.000	2.000	YPRP 953.0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

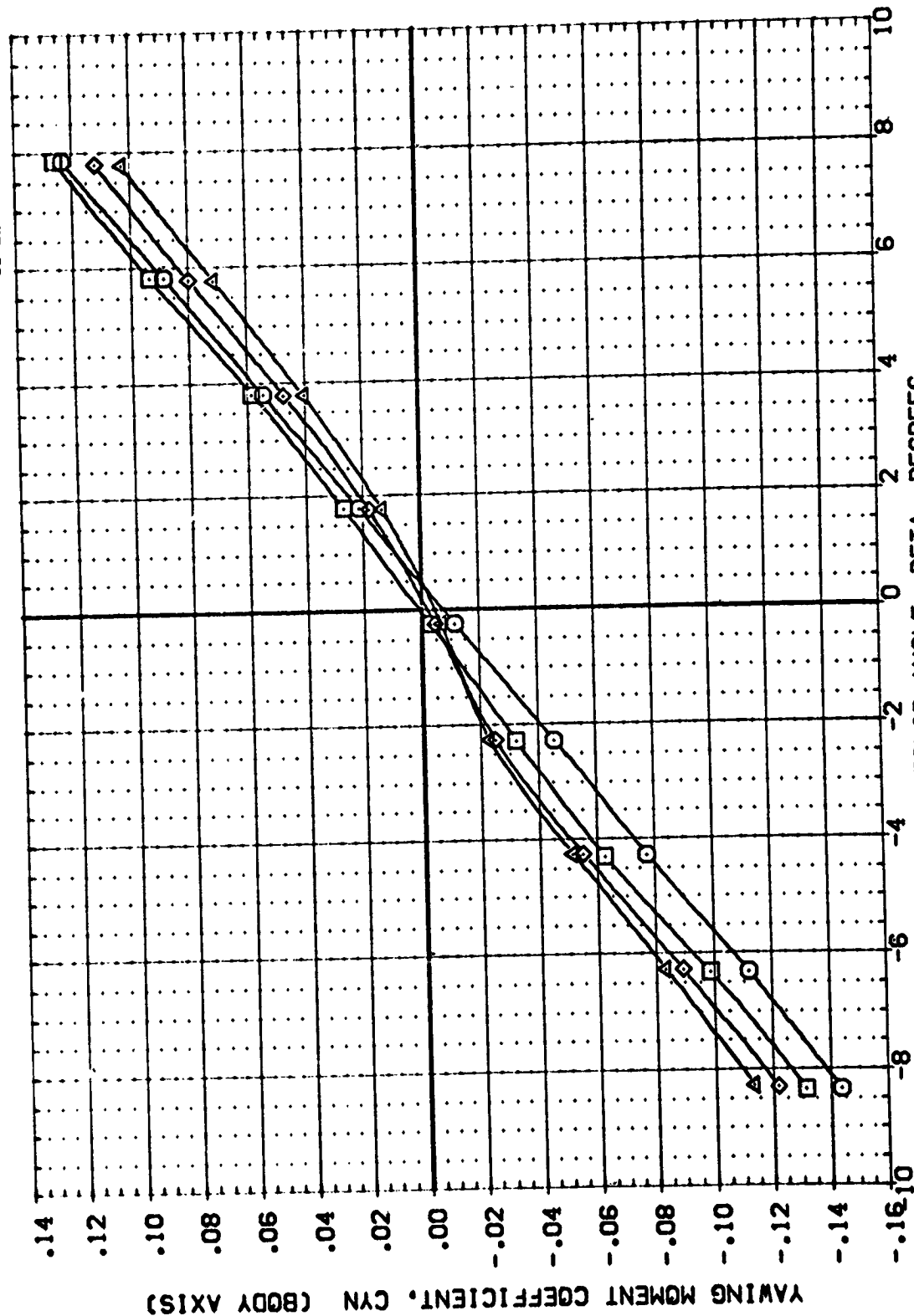
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
(BBV035)	ARC 97-710 [A]28 01 T1 S1 POWER OFF			.000	1.000	SREF 2690.0000 SQ.FT.
(BBV041)	ARC 97-710 [A]28 01 T1 S1 ORB ON, SRPR-NOMINAL	.409	.557	1.000	2.000	LREF 1328.0000 IN.
(BBV050)	ARC 97-710 [A]28 01 T1 S1 ORB ON, SRPR-2.24XNOM	.409	1.245	1.000	2.000	BREF 953.0000 IN.
(BBV051)	ARC 97-710 [A]28 01 T1 S1 ORB ON, SRPR-3.63XNOM	.409	2.128	1.000	2.000	YPRP 0.000 IN.
						ZPRP 400.0000 IN.
						SCALE 0.190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

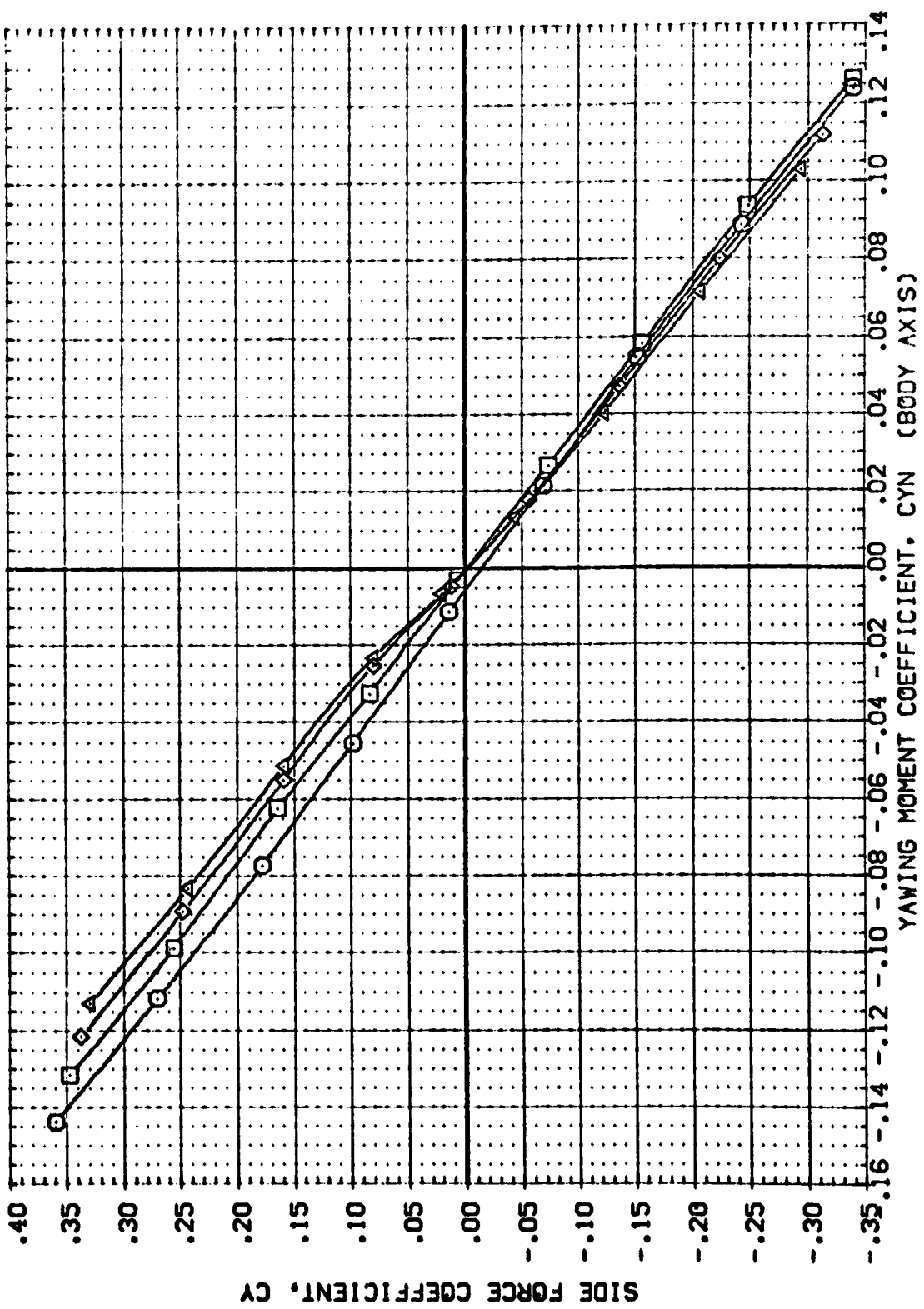
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	QPR	SRPR	POWER	GIMBAL	REFERENCE INFORMATION
[BBV035]	ARC 97-710 [A128 01 T1 S1] POWER OFF	.409	.557	.000	1.000	SREF 2690.0000 SQ.FT.
[BBV041]	ARC 97-710 [A128 01 T1 S1] ORB CN:SRPR-NOMINAL	.409	1.245	1.000	2.000	LREF 1328.0000 IN.
[BBV050]	ARC 97-710 [A128 01 T1 S1] ORB CN:SRPR+2.24XNDH	.409	2.128	1.000	2.000	BREF 1328.0000 IN.
[BBV051]	ARC 97-710 [A128 01 T1 S1] ORB CN:SRPR+3.83XNDH	.409				XMRP 953.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

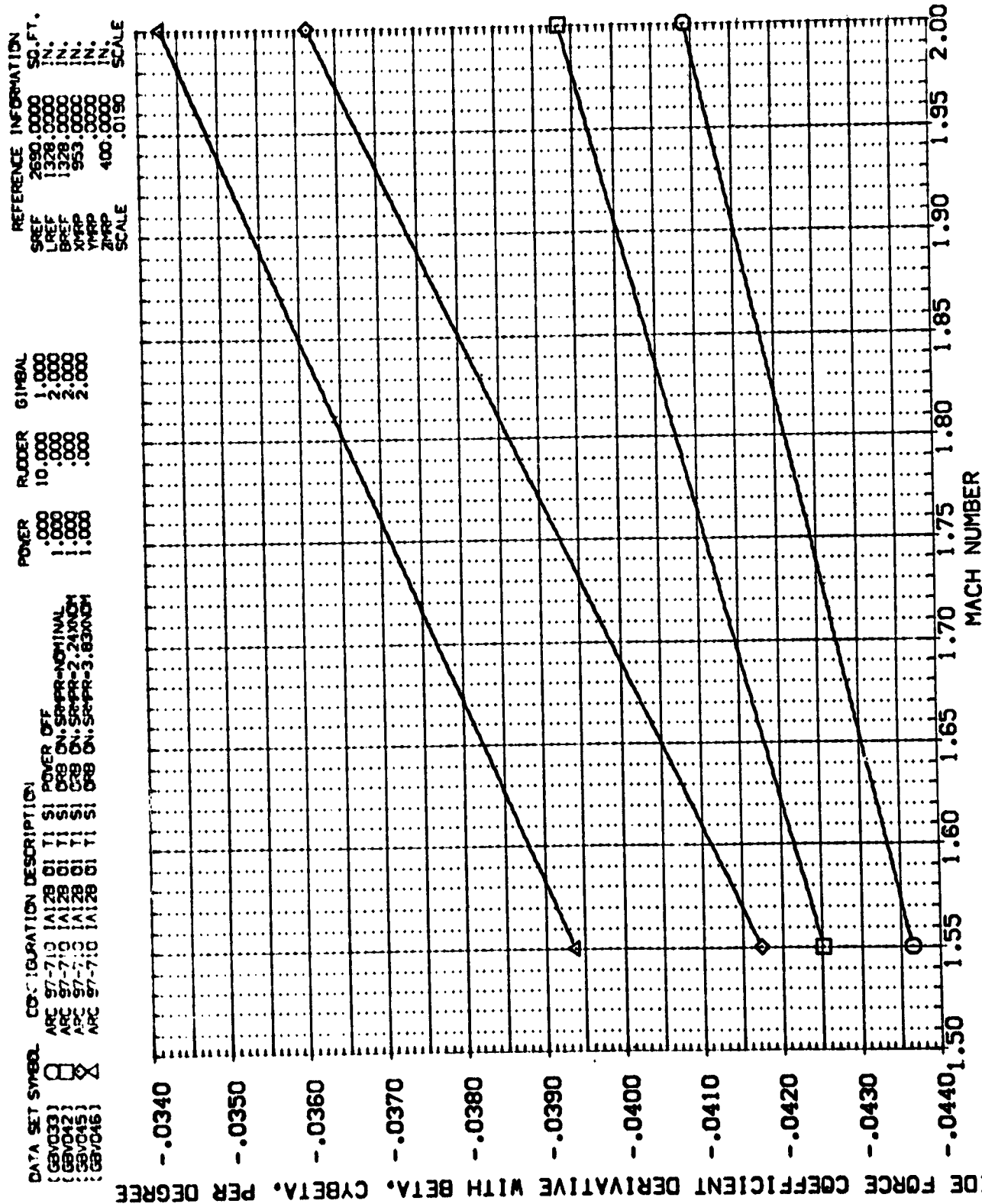
(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	GIMBAL	REFERENCE INFORMATION
(BBVCS5)	ARC 57-710 (A128 01 T1 S1) POWER OFF	.409	.557	.000	1.000	SREF 2690.0000 SQ.FT.
(BBVCS1)	ARC 57-710 (A128 01 T1 S1) C78 ON, SRMPR-NOMINAL	.409	1.245	1.000	2.000	LREF 1328.0000 IN.
(BBVCS0)	ARC 57-710 (A128 01 T1 S1) C78 ON, SRMPR=2.24XNOM	.409	2.128	1.000	2.000	BREF 1328.0000 IN.
(BBVCS1)	ARC 57-710 (A128 01 T1 S1) C78 ON, SRMPR=3.83XNOM	.409				XPRP 953.0000 IN.
						YPRP 400.0000 IN.
						ZPRP .0190 IN.
						SCALE



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(GBV033) Q ARC 97-710 (A128 Q1 T1 S1) POWER OFF

(GBV042) X ARC 97-710 (A128 Q1 T1 S1) ORB ON: SRRP-NOMINAL

(GBV045) X ARC 97-710 (A128 Q1 T1 S1) ORB ON: SRRP-2.24XNOM

(GBV046) X ARC 97-710 (A128 Q1 T1 S1) ORB ON: SRRP-3.83XNOM

POWER RUDDER GIMBAL

.000 10.000 1.000

1.000 .000 2.000

1.000 .000 2.000

1.000 .000 2.000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

BREF 1328.0000 IN.

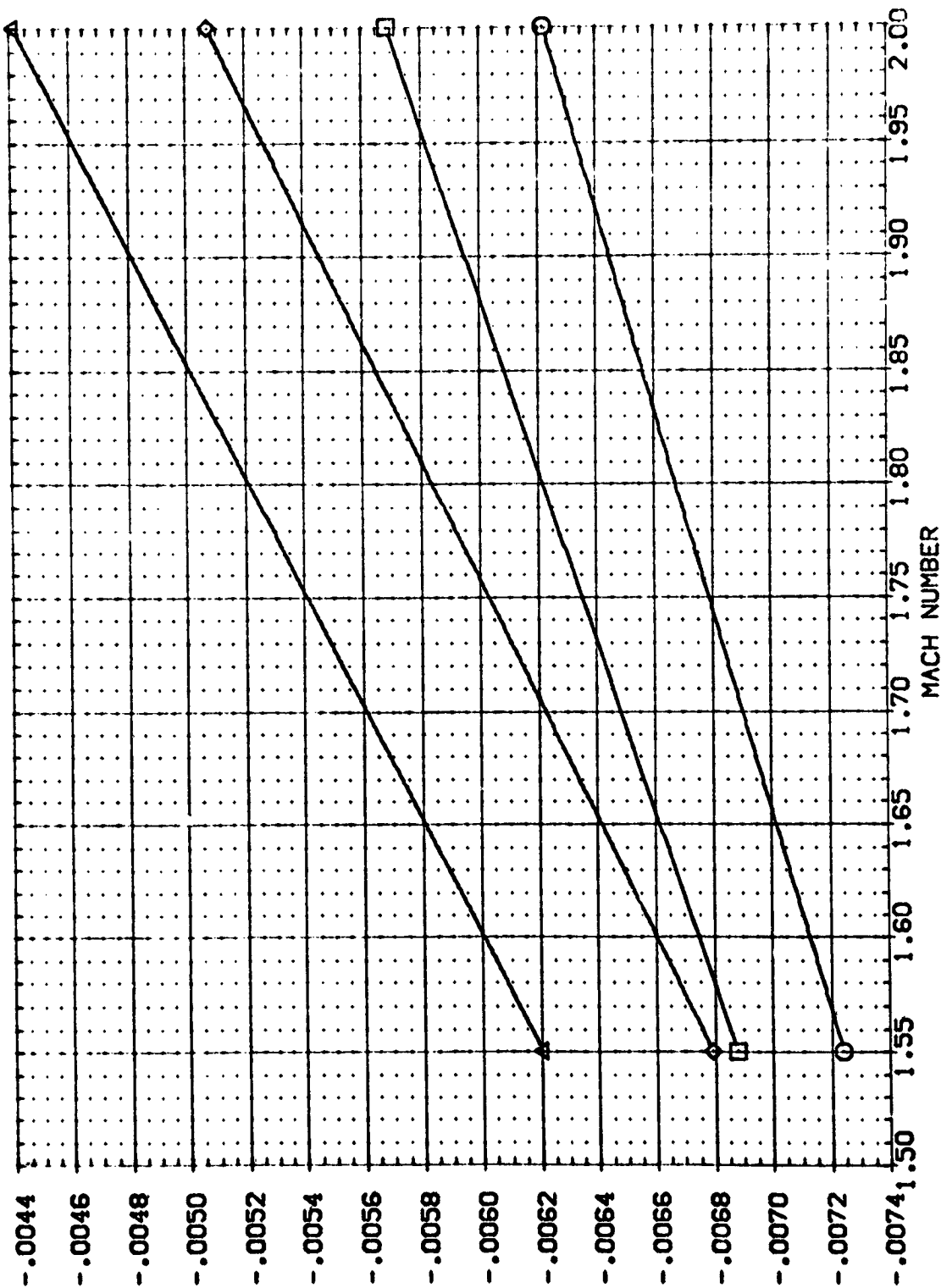
X-RRP 553.0000 IN.

Y-RRP .0000 IN.

Z-RRP 400.0000 IN.

SCALE .0190 SCALE

ROLLING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CBLBET, PER DEGREE



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

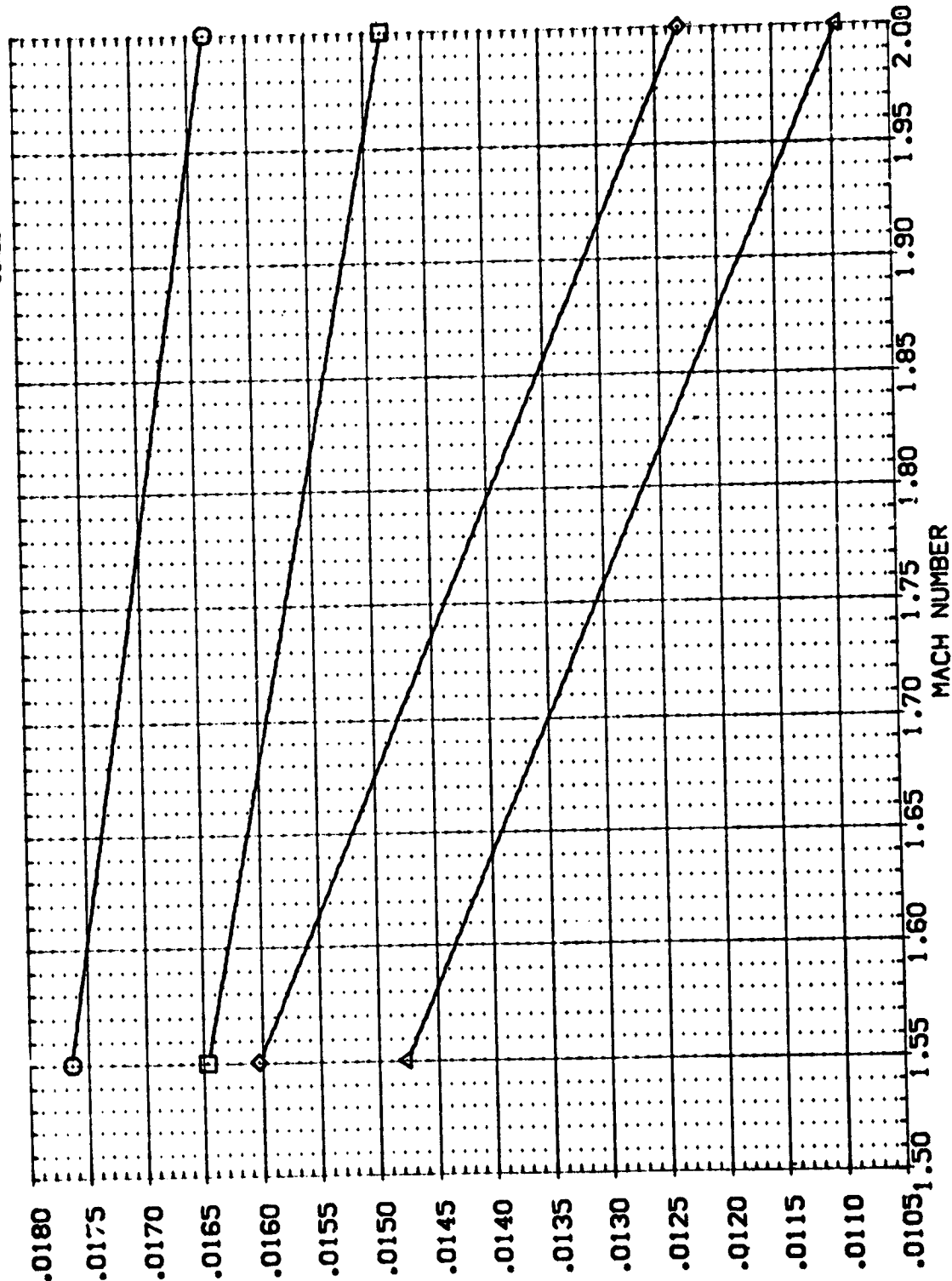
REFERENCE INFORMATION
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 BREF 1328.0000 IN.
 XMRP 953.0000 IN.
 YMRP 400.0000 IN.
 ZMRP 400.0000 IN.
 SCALE .0190 SCALE

POWER RUDDER GIMBAL
 .000 10.000 1.000
 1.000 .000 2.000
 1.000 .000 2.000
 1.000 .000 2.000

CONFIGURATION DESCRIPTION
 ARC 97-710 A128 01 T1 S1 POWER OFF
 ARC 97-710 A128 01 T1 S1 CRB ON: SRPR-2.24XNDH
 ARC 97-710 A128 01 T1 S1 CRB ON: SRPR-2.24XNDH
 ARC 97-710 A128 01 T1 S1 CRB ON: SRPR-3.83XNDH

DATA SET SYMBOL
 (GBV033)
 (GBV042)
 (GBV045)
 (GBV046)

YAWING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CYNBET, PER DEGREE

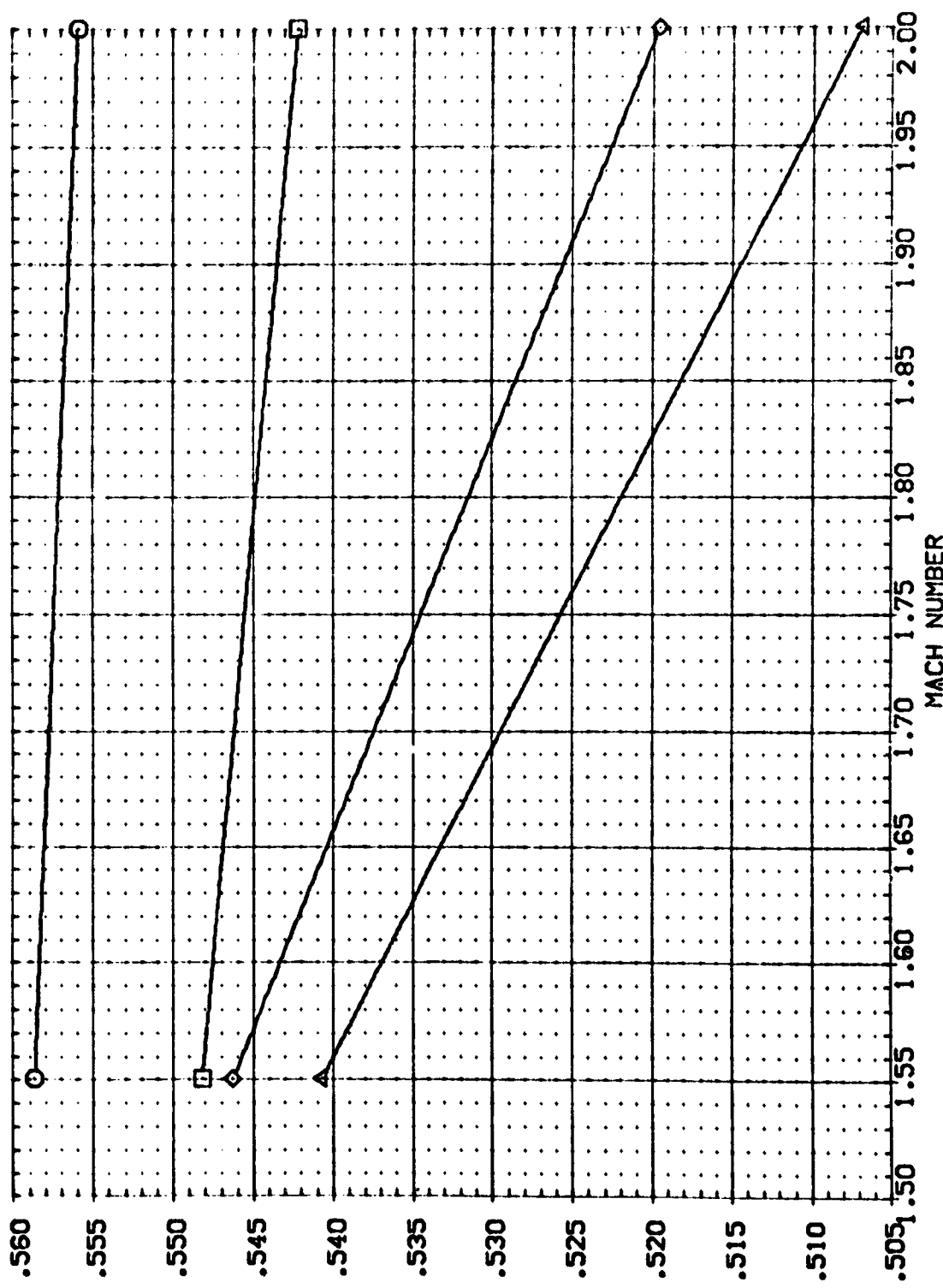


PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

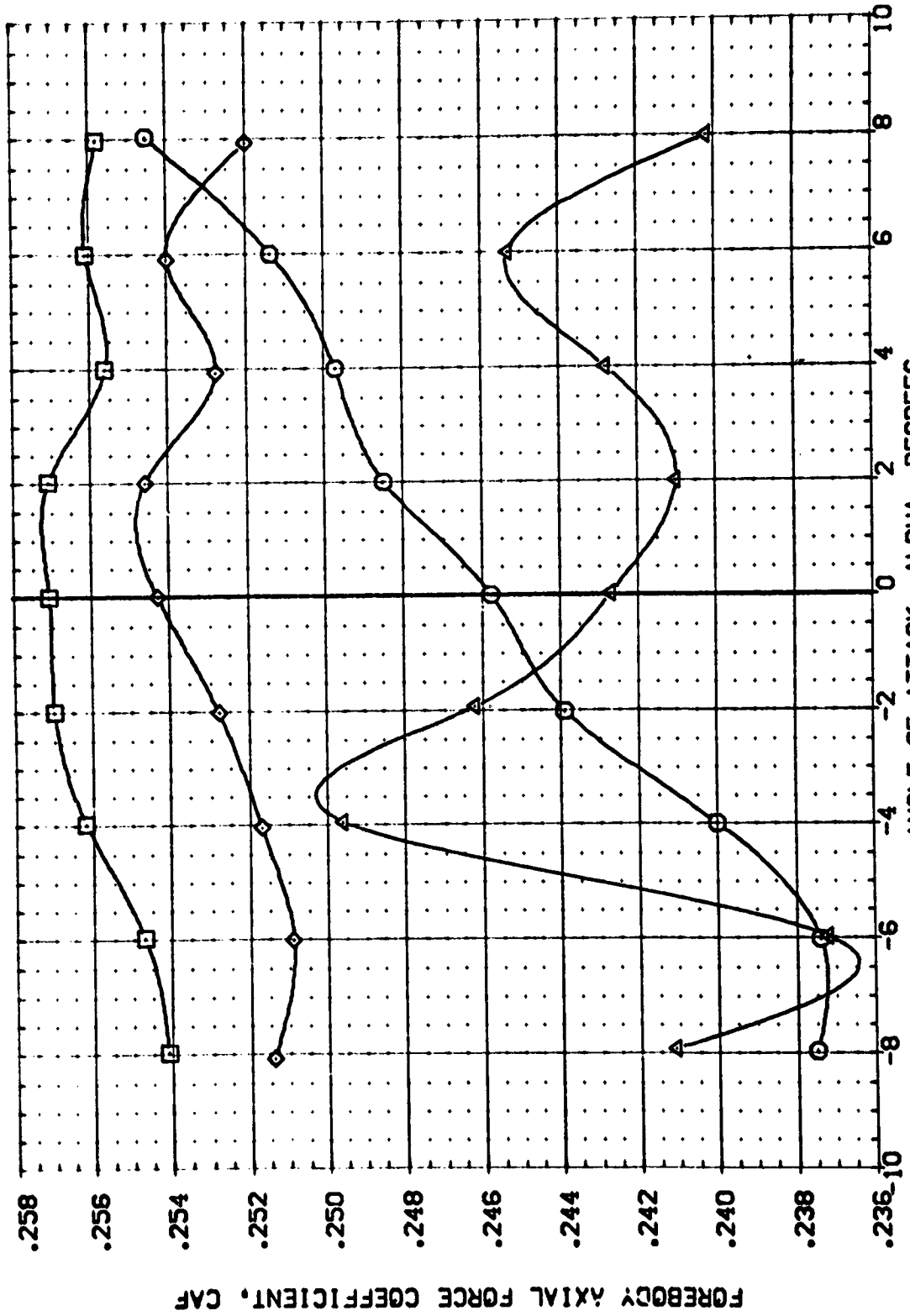
[GBV033]	ARC 97-710 [A128 01 T] S1 POWER OFF	.000	10.000	1.000	SREF 2690.0000	50. FT.
[GBV042]	ARC 97-710 [A128 01 T] S1 058 ON, SRPR=2.24X00H	1.000	.000	2.000	LREF 1328.0000	IN.
[GBV043]	ARC 97-710 [A128 01 T] S1 058 ON, SRPR=2.24X00H	1.000	.000	2.000	BREF 1328.0000	IN.
[GBV046]	ARC 97-710 [A128 01 T] S1 058 ON, SRPR=3.83X00H	1.000	.000	2.000	YMRP 553.0000	IN.
					ZMRP 400.0000	IN.
					SCALE .0190	SCALE

LATERAL AERODYNAMIC CENTER, XYAC/L PERCENT OF BODY LENGTH



PLUME SIZE WITH NOZZLES UP EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	QPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV022)	ARC 97-710 [A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
(CBV054)	ARC 97-710 [A128 01 T1 S2 POWER OFF	.433	.169	.000	.000	LREF 1328.0000 IN.
(CBV053)	ARC 97-710 [A128 01 T1 S2 DRB ON SRMPR-NOMINAL	.433	1.050	1.000	.000	BREF 1328.0000 IN.
(CBV052)	ARC 97-710 [A128 01 T1 S2 DRB ON SRMPR-2.24XNDM				.000	XPRP 953.0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190

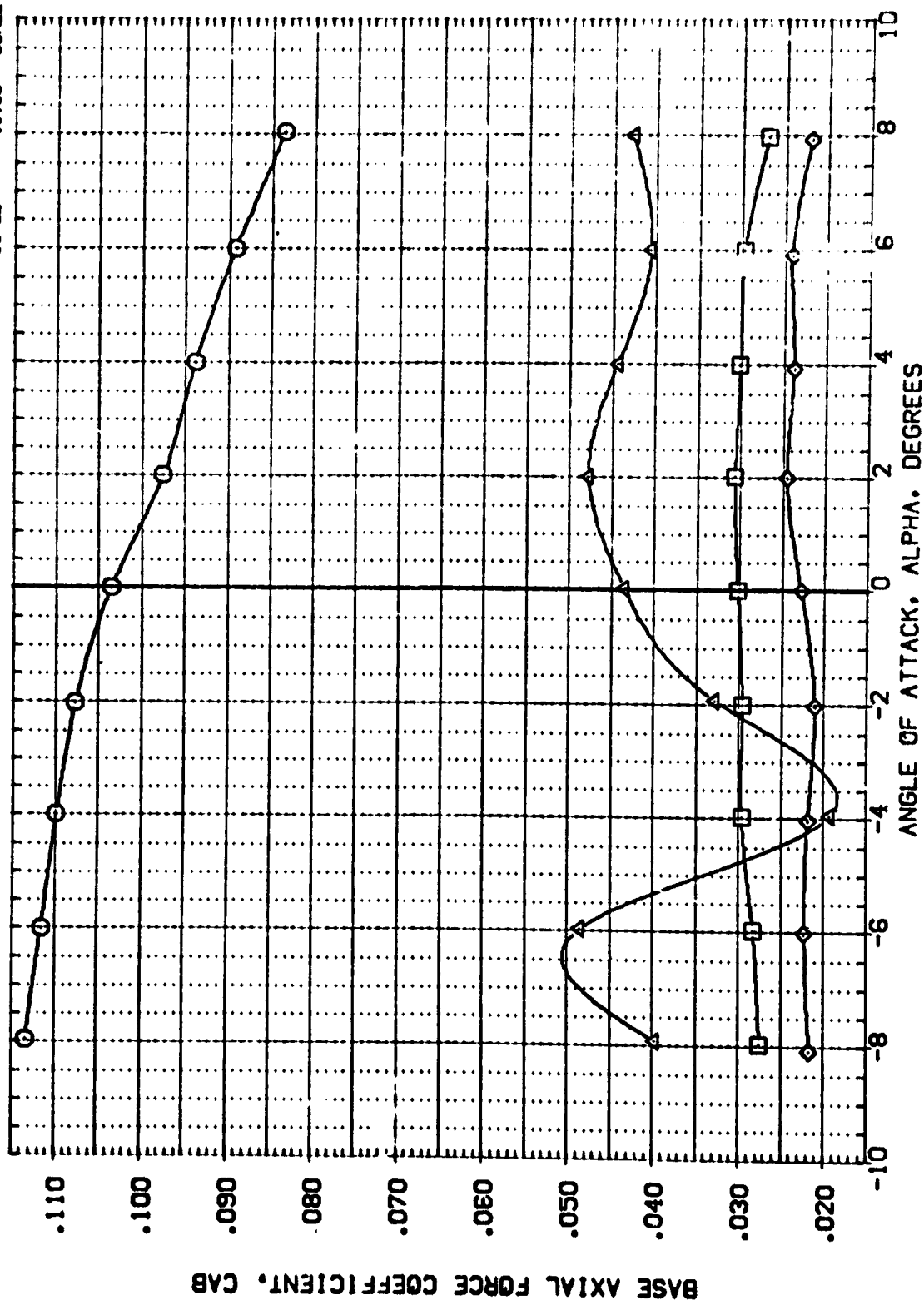


SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

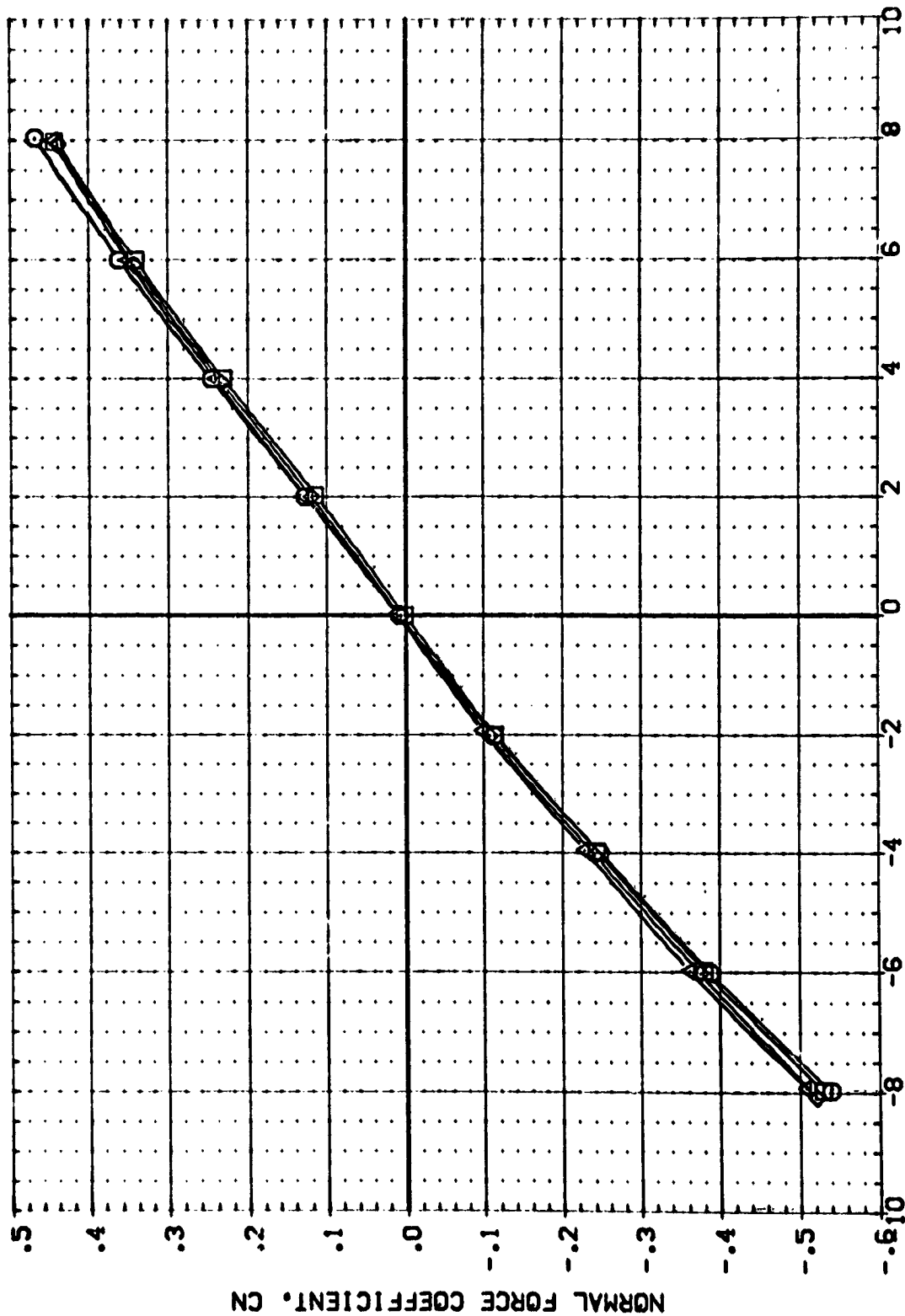
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(CBV022)	ARC 97-710 (A128 01 T1 S1 POWER OFF			.000	.000	SREF 7690.0000 SQ. FT.
(CBV054)	ARC 97-710 (A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
(CBV053)	ARC 97-710 (A128 01 T1 S2 DRB ON, SRPR-NOMINAL	.433	.469	1.000	.000	BREF 1328.0000 IN.
(CBV052)	ARC 97-710 (A128 01 T1 S2 DRB ON, SRPR-2.24XGM	.433	1.050	1.000	.000	XPRP 953.0000 IN.
						YPRP .0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDER	REFERENCE INFORMATION
[CBV022]	□	ARC 97-710 IAI28 OI T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
[CBV054]	□	ARC 97-710 IAI28 OI T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
[CBV053]	×	ARC 97-710 IAI28 OI T1 S2 ORB ON: SRPR-NOMINAL	.433	.469	1.000	.000	BREF 1328.0000 IN.
[CBV052]	×	ARC 97-710 IAI28 OI T1 S2 ORB ON: SRPR-2.24XNDM	.433	1.050	1.000	.000	YMRP 953.0000 IN.
							ZMRP 400.0000 IN.
							SCALE .0190 SCALE

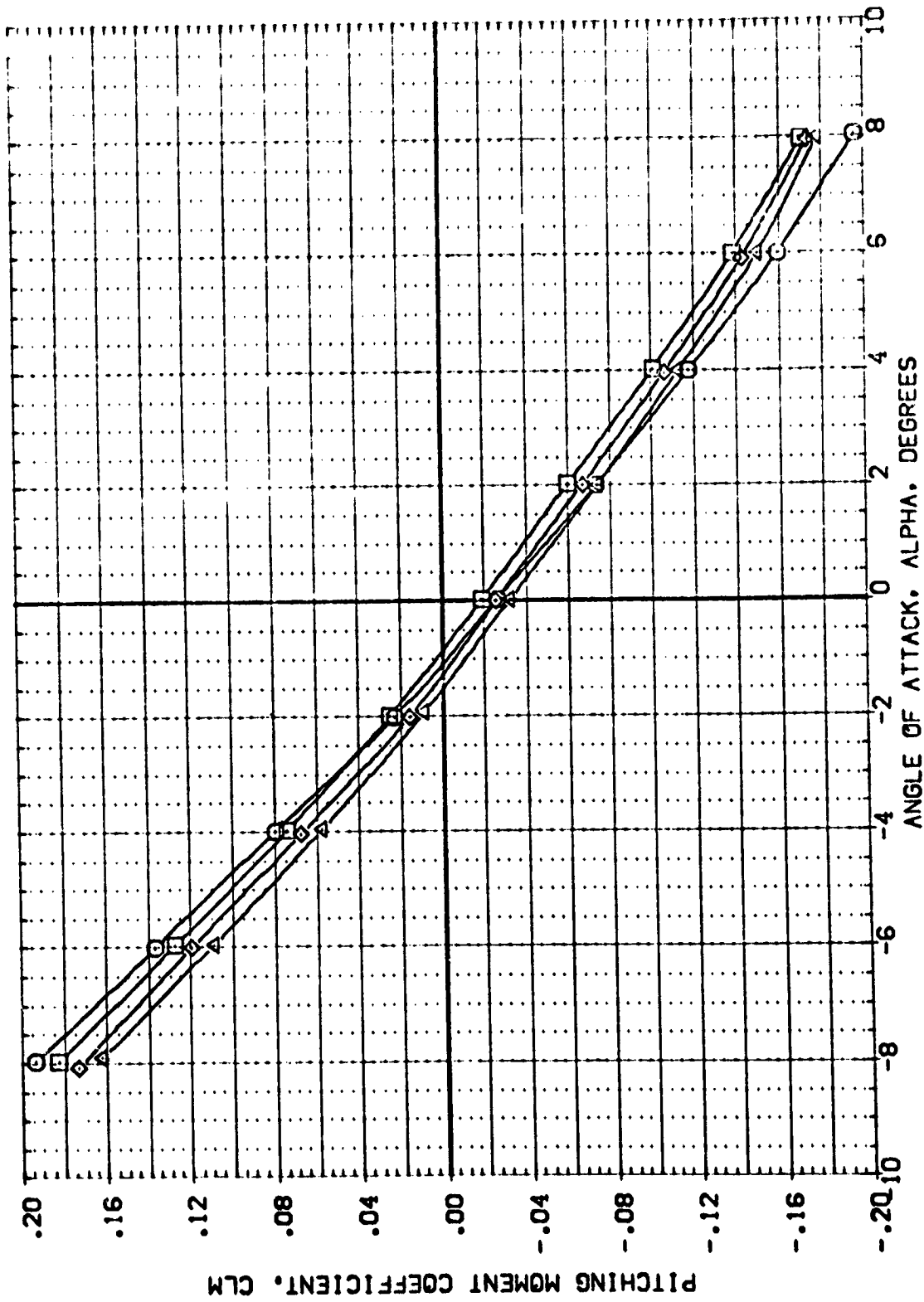


ANGLE OF ATTACK, ALPHA, DEGREES

SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 1.55

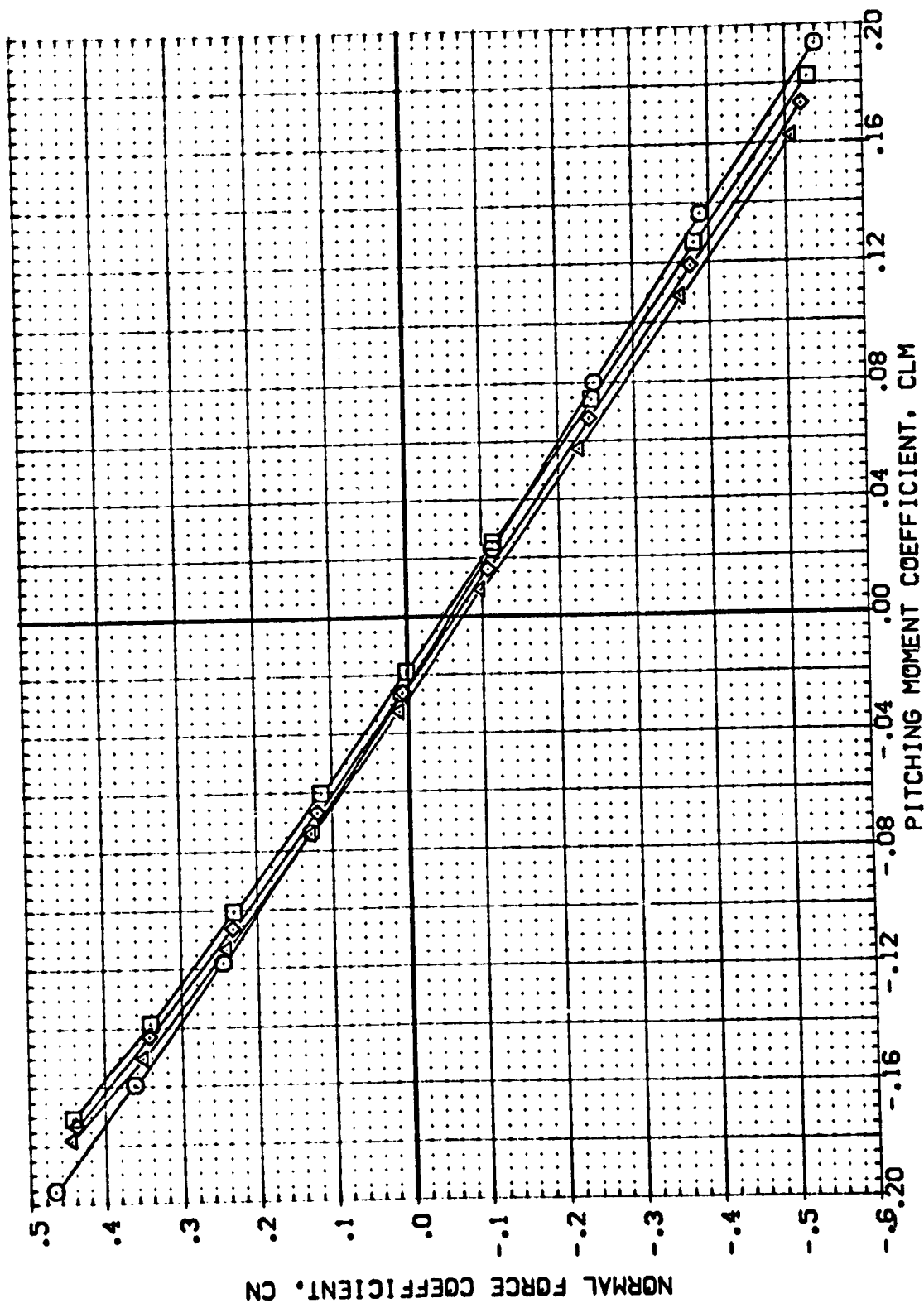
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	RUDER	REFERENCE INFORMATION
(CBV022)	ARC 97-710 [A]28 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
(CBV054)	ARC 97-710 [A]28 01 T1 S2 POWER OFF			.000	.000	LREF 1378.0000 IN.
(CBV053)	ARC 97-710 [A]28 01 T1 S2 CRB ON SRPR-NOMINAL	.433	.469	1.000	.000	BREF 1328.0000 IN.
(CBV052)	ARC 97-710 [A]28 01 T1 S2 CRB ON SRPR-2.24XNOM	.433	1.050	1.000	.000	XREF 953.0000 IN.
						YREF 430.0000 IN.
						ZREF 2190.0000 IN.
						SCALE 0.150



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 1.55

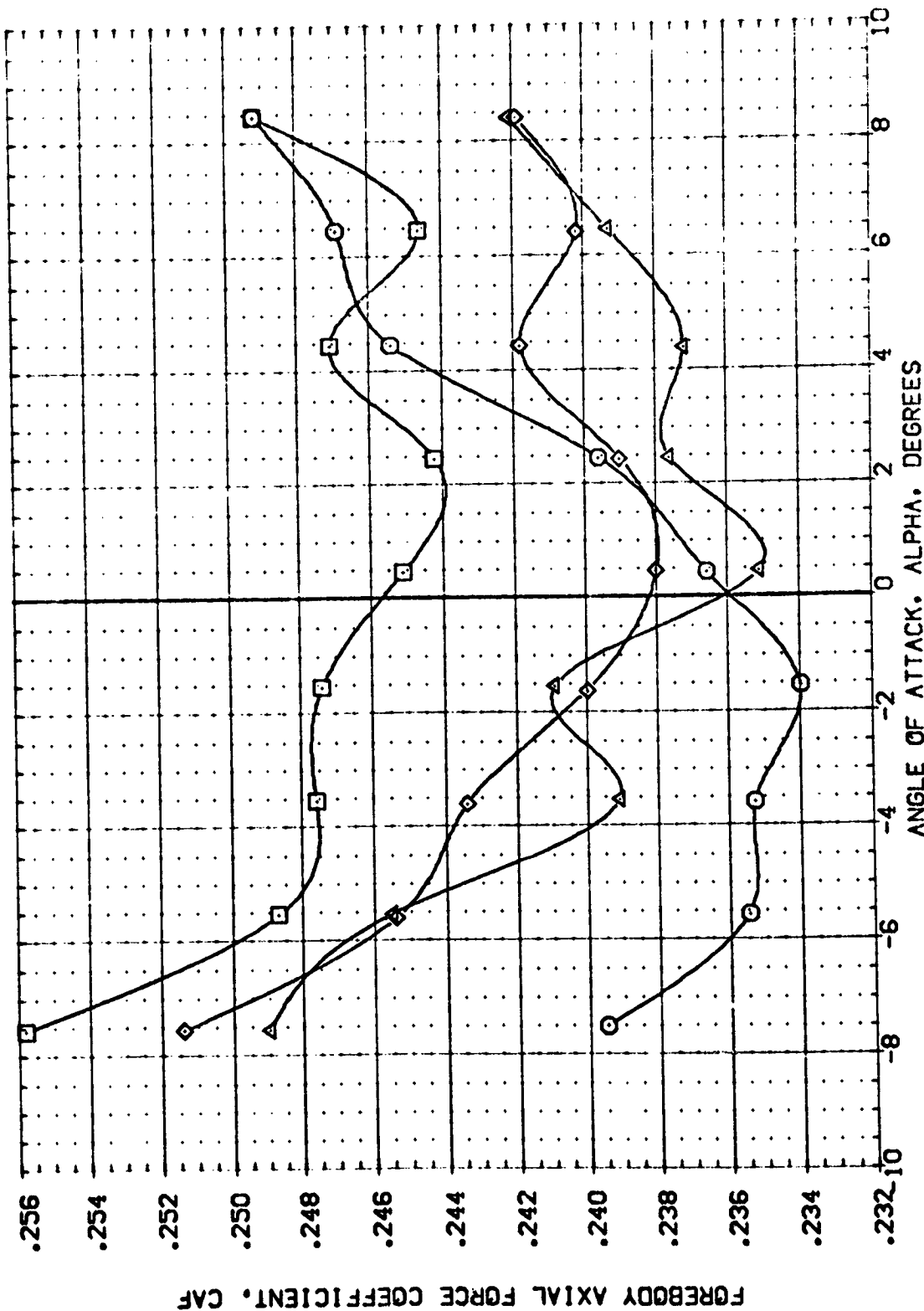
DATA SET SYMBOL		CONFIGURATION DESCRIPTION				OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION		
		ARC	97-710	1A128	01	T1	S1	POWER OFF		SREF	2690.0000	SQ.FT.
(CBV022)	□	ARC	97-710	1A128	01	T1	S2	POWER OFF	.000	LREF	1328.0000	IN.
(CBV054)	□	ARC	97-710	1A128	01	T1	S2	OPR ON SRMPR-NOMINAL	.000	BREF	1328.0000	IN.
(CBV053)	□	ARC	97-710	1A128	01	T1	S2	OPR ON SRMPR-2.2400CM	.469	XMRP	553.0000	IN.
(CBV052)	□	ARC	97-710	1A128	01	T1	S2	OPR ON SRMPR-2.2400CM	1.050	YMRP	400.0000	IN.
										SCALE	.0150	SCALE



(A)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMR	POWER	RUDDER	REFERENCE INFORMATION
(CBV021)	ARC 97-710 [A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
(CBV055)	ARC 97-710 [A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
(CBV056)	ARC 97-710 [A128 01 T1 S2 OPR ON, SRMR-NOMINAL	.409	.557	.000	.000	BREF 1328.0000 IN.
(CBV057)	ARC 97-710 [A128 01 T1 S2 OPR ON, SRMR-2.24X NOM	.409	1.245	1.000	.000	XMRP 953.0000 IN.
						YMRP .0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190 SCALE

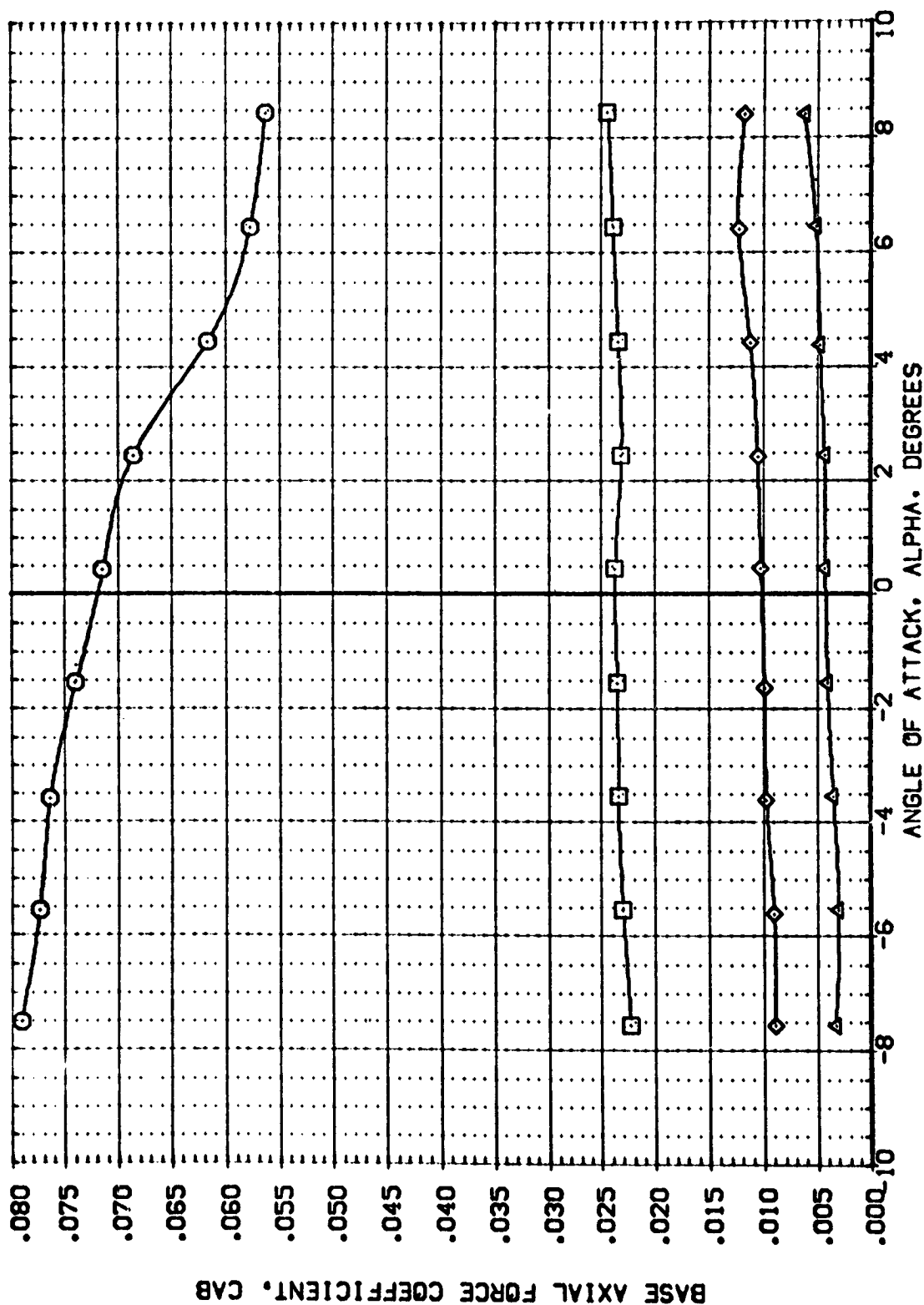


SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DPR	SRPR	POWER	RUDDER	REFERENCE INFORMATION
(CBV021)	ARC 97-71C [A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 (J.F.T.
(CBV055)	ARC 97-71C [A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 N.
(CBV056)	ARC 97-71C [A128 01 T1 S2 CFB CN SRPR-NOMINAL	.409	.557	1.000	.000	BREF 1328.0000 N.
(CBV057)	ARC 97-71C [A128 01 T1 S2 CFB CN SRPR-2.24XNOM	.409	1.245	1.000	.000	YREF 953.0000 N.
						ZREF 400.0000 N.
						SCALE .0190



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

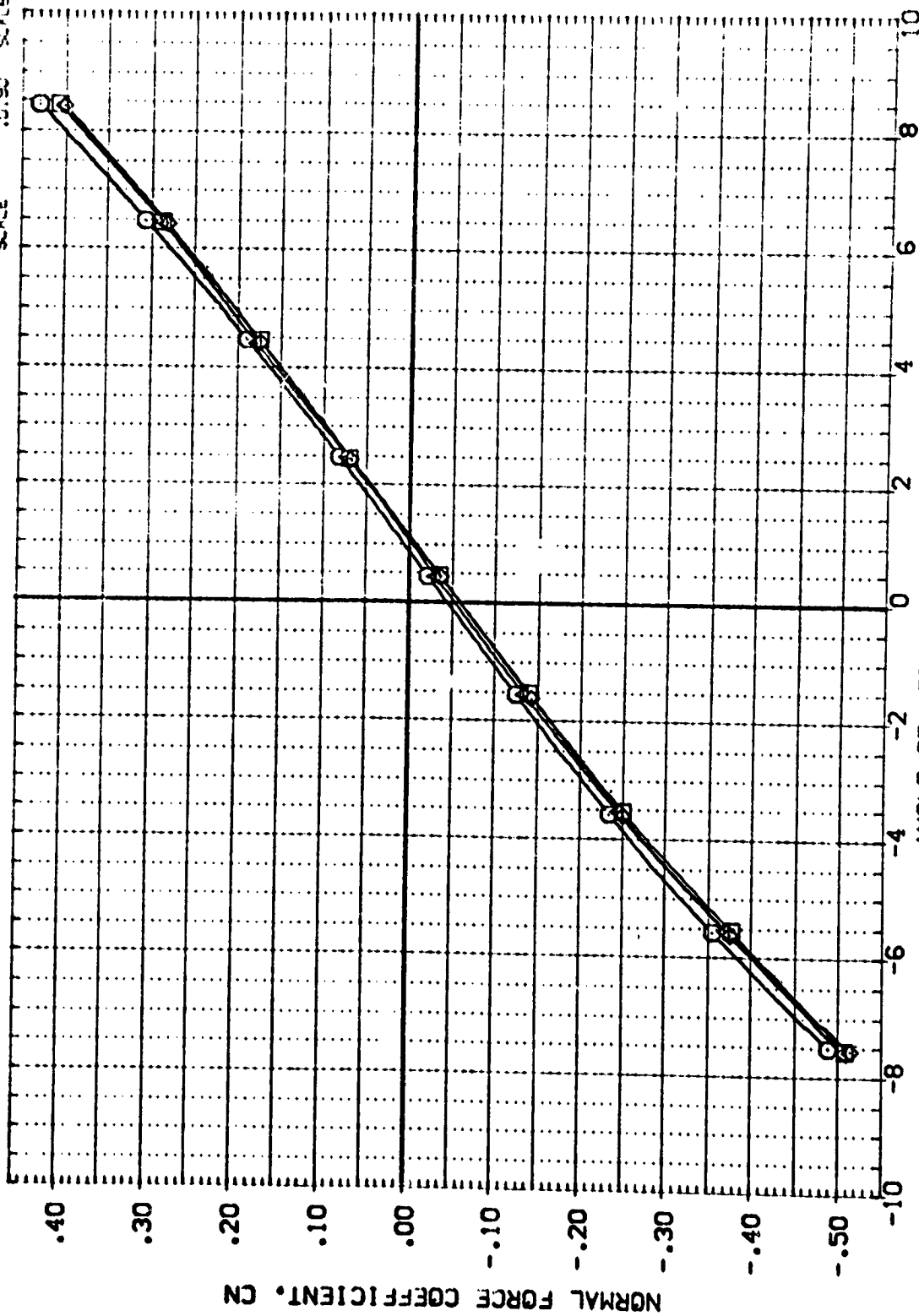
(A)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(CBV021) ARC 97-710 1A128 01 T1 S1 POWER OFF
 (CBV055) ARC 97-710 1A128 01 T1 S2 POWER OFF
 (CBV056) ARC 97-710 1A128 01 T1 S2 ORB ON, SRPR-NOMINAL
 (CBV057) ARC 97-710 1A128 01 T1 S2 ORB ON, SRPR=2.24XNDH

DRR .409
 SRPR .557
 POWER .000
 RUDDER .000

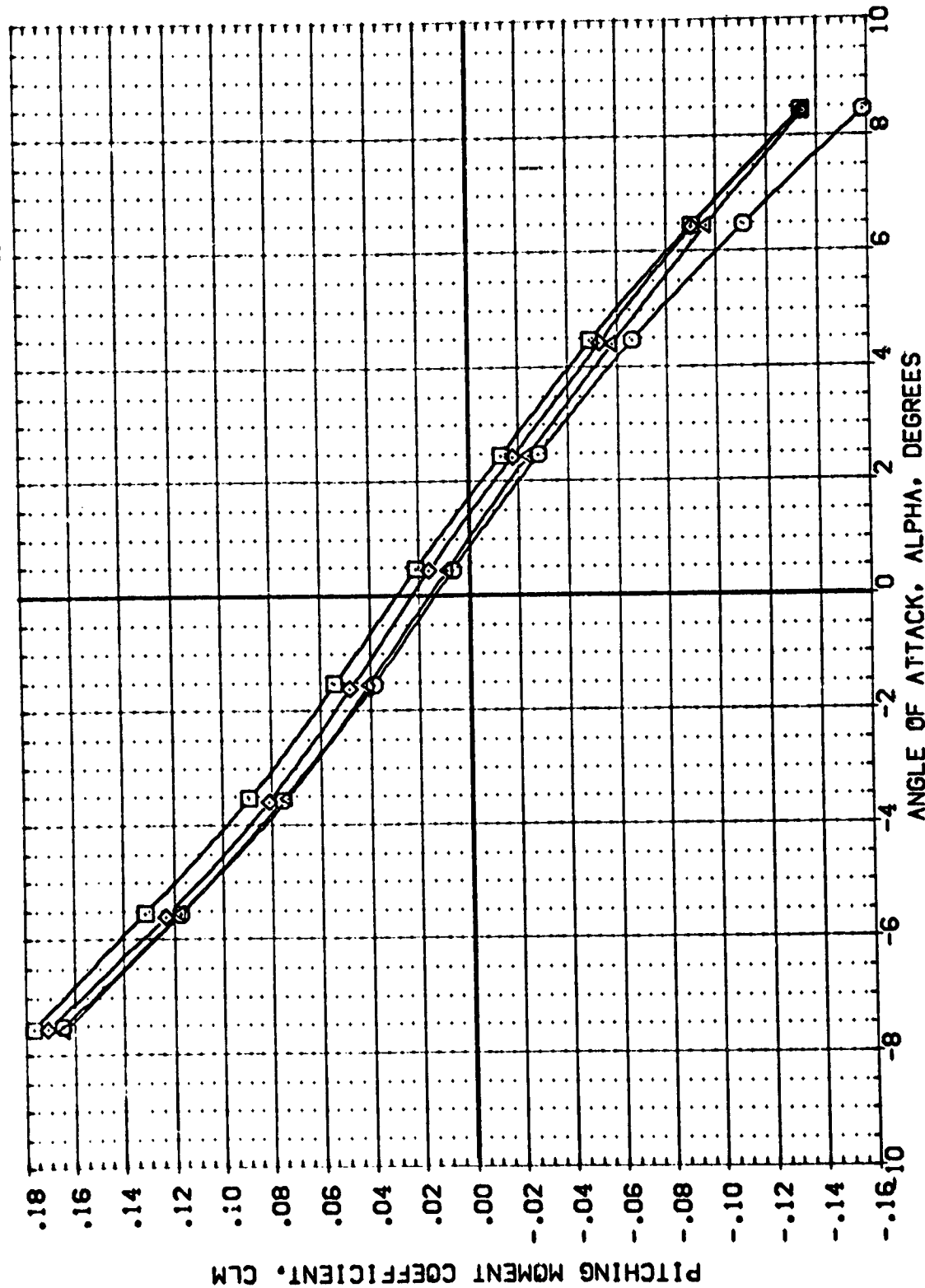
REFERENCE INFORMATION
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 LREF 328.0000
 BREF 328.0000
 XMRP 953.0000
 YMRP 0000
 ZMRP 400.0000
 SCALE 0.150



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = 2.00

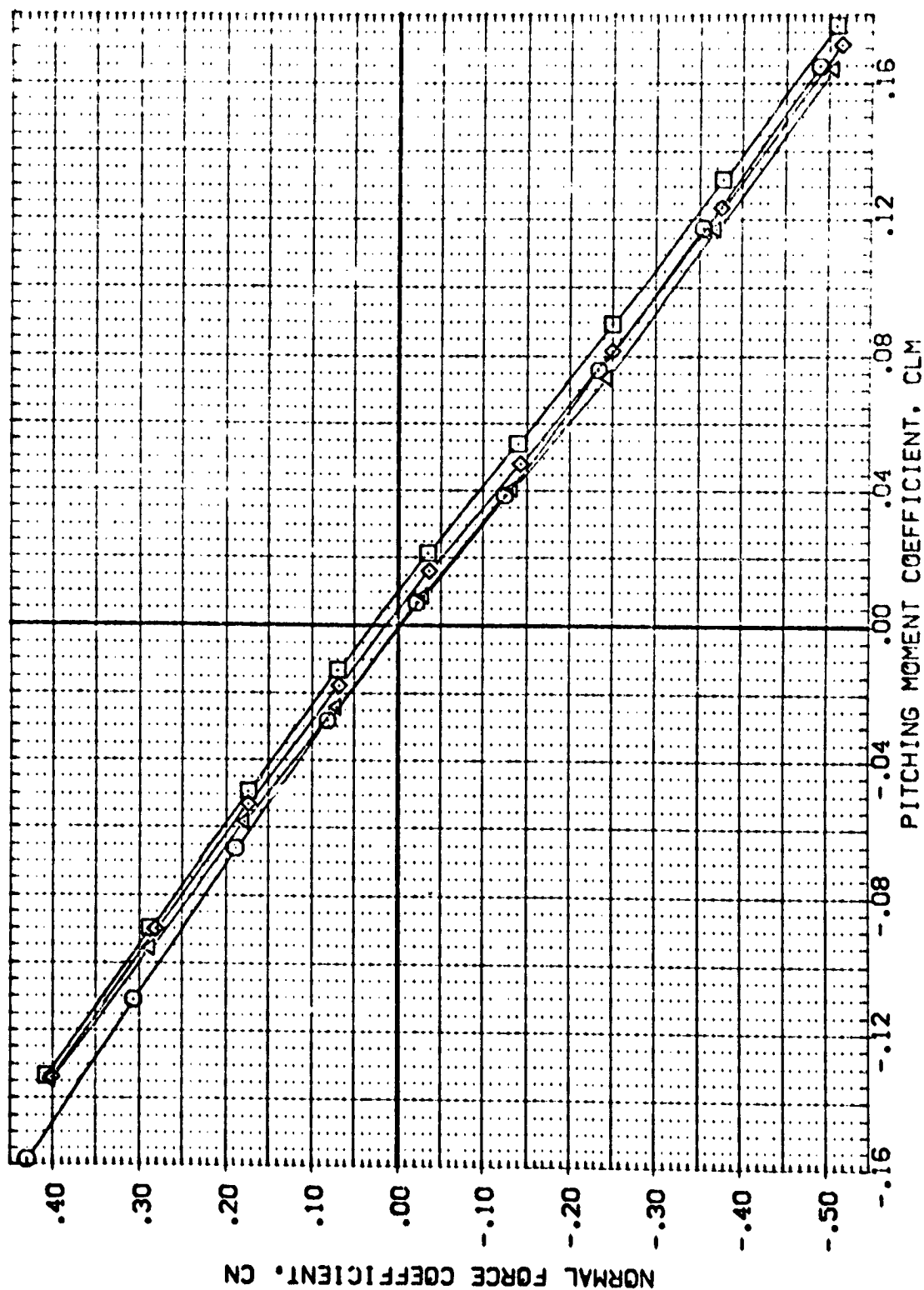
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	CMR	SRMR	POWER	RUDDER	REFERENCE INFORMATION
(CB021)	ARC 97-710 1A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 50.FT.
(CB055)	ARC 97-710 1A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
(CB056)	ARC 97-710 1A126 01 T1 S2 DRB ON:SRMR-NOMINAL	.409	.557	1.000	.000	BREF 1328.0000 IN.
(CB057)	ARC 97-710 1A128 01 T1 S2 DRB ON:SRMR-2.24XNOM	.409	1.245	1.000	.000	YMRP 553.0000 IN.
						ZMRP 400.0000 IN.
						SCALE .0190



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(AJMACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	FLODER	REFERENCE INFORMATION
(CBV021)	ARC 97-710 (A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ. FT.
(CBV055)	ARC 97-710 (A128 01 T1 S2 POWER OFF			.000	.000	LREF 328.0000 IN.
(CBV056)	ARC 97-710 (A128 01 T1 S2 OPR ON, SRPR-NOMINAL	.408	.557	1.000	.000	BREF 328.0000 IN.
(CBV057)	ARC 97-710 (A128 01 T1 S2 OPR ON, SRPR=2.24XCDM	.408	1.245	1.000	.000	XREF 953.0000 IN.
						YREF 400.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

(M)MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

(FB/C22) ARC 97-710 1A128 01 T1 S1 POWER OFF .000 .000 1.000 SREF 2650.0000 SQ.FT.

(FB/C54) ARC 97-710 1A128 01 T1 S2 POWER OFF .000 .000 1.000 LREF 1328.0000 IN.

(FB/C53) ARC 97-710 1A128 01 T1 S2 CRB ON, SRRP=NOMINAL 1.000 .000 1.000 BRFP 1328.0000 IN.

(FB/C52) ARC 97-710 1A128 01 T1 S2 CRB ON, SRRP=2.24XNOM 1.000 .000 1.000 YMRP 953.0000 IN.

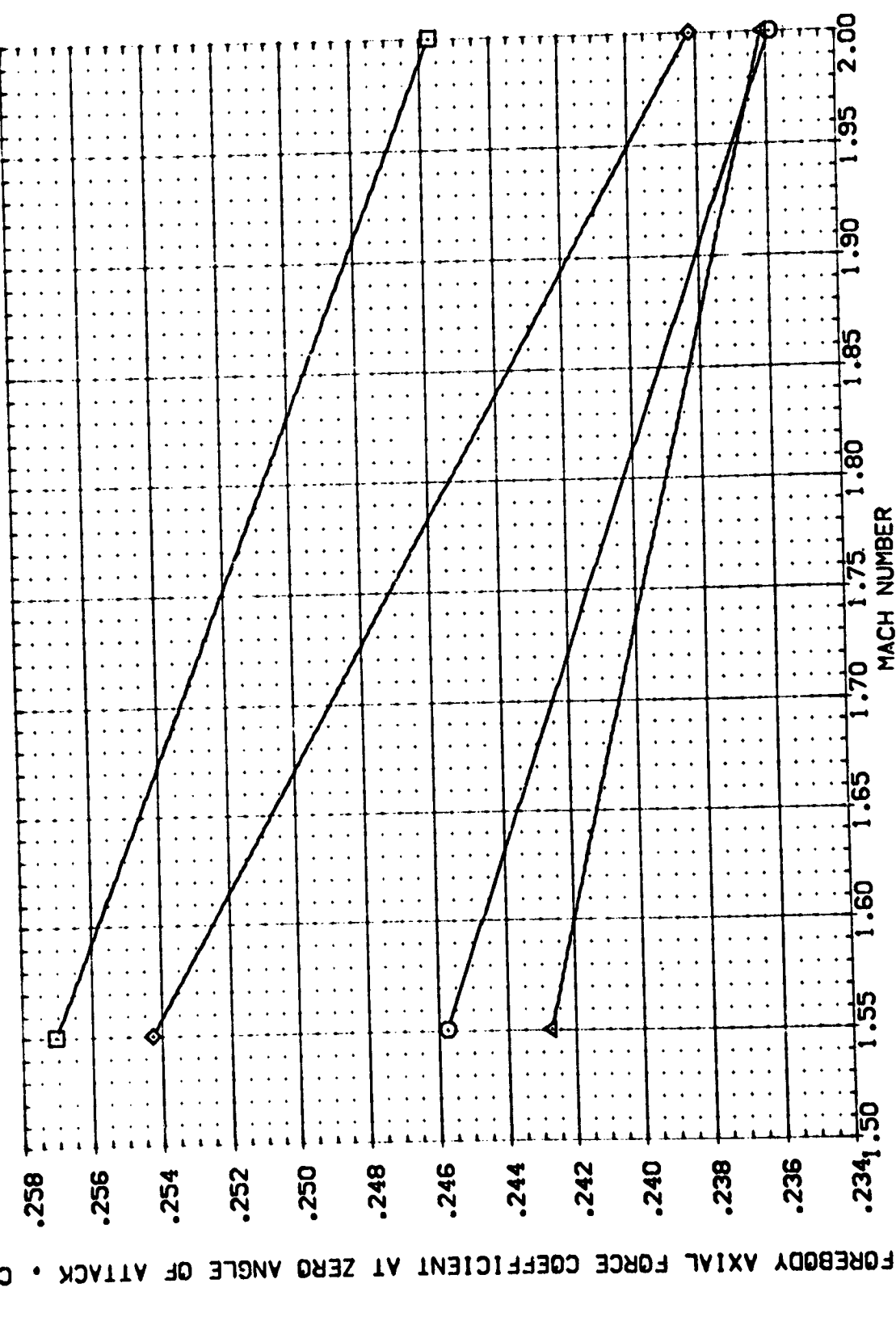
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SCALE .0190

SCALE .0190

SCALE .0190

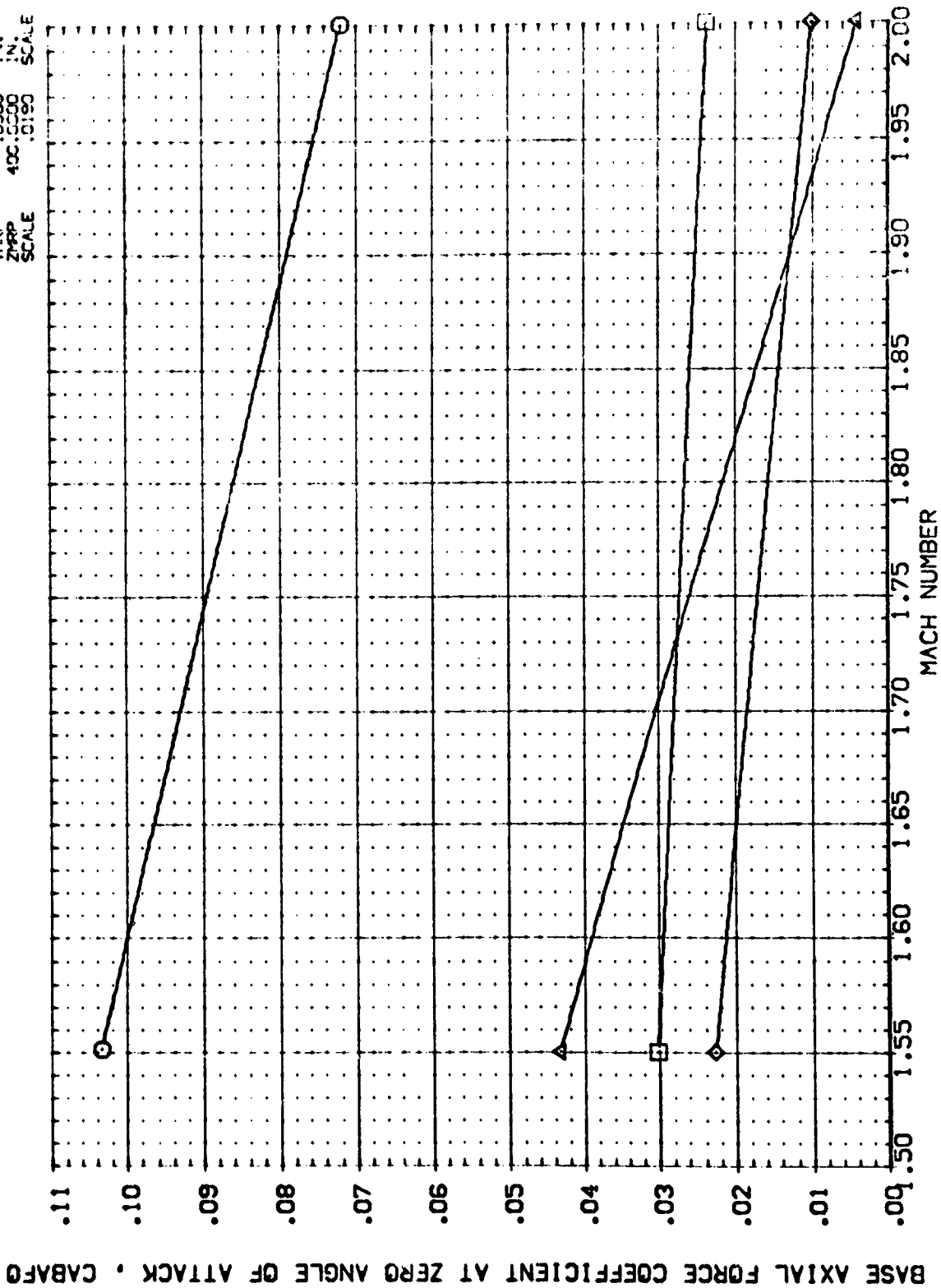
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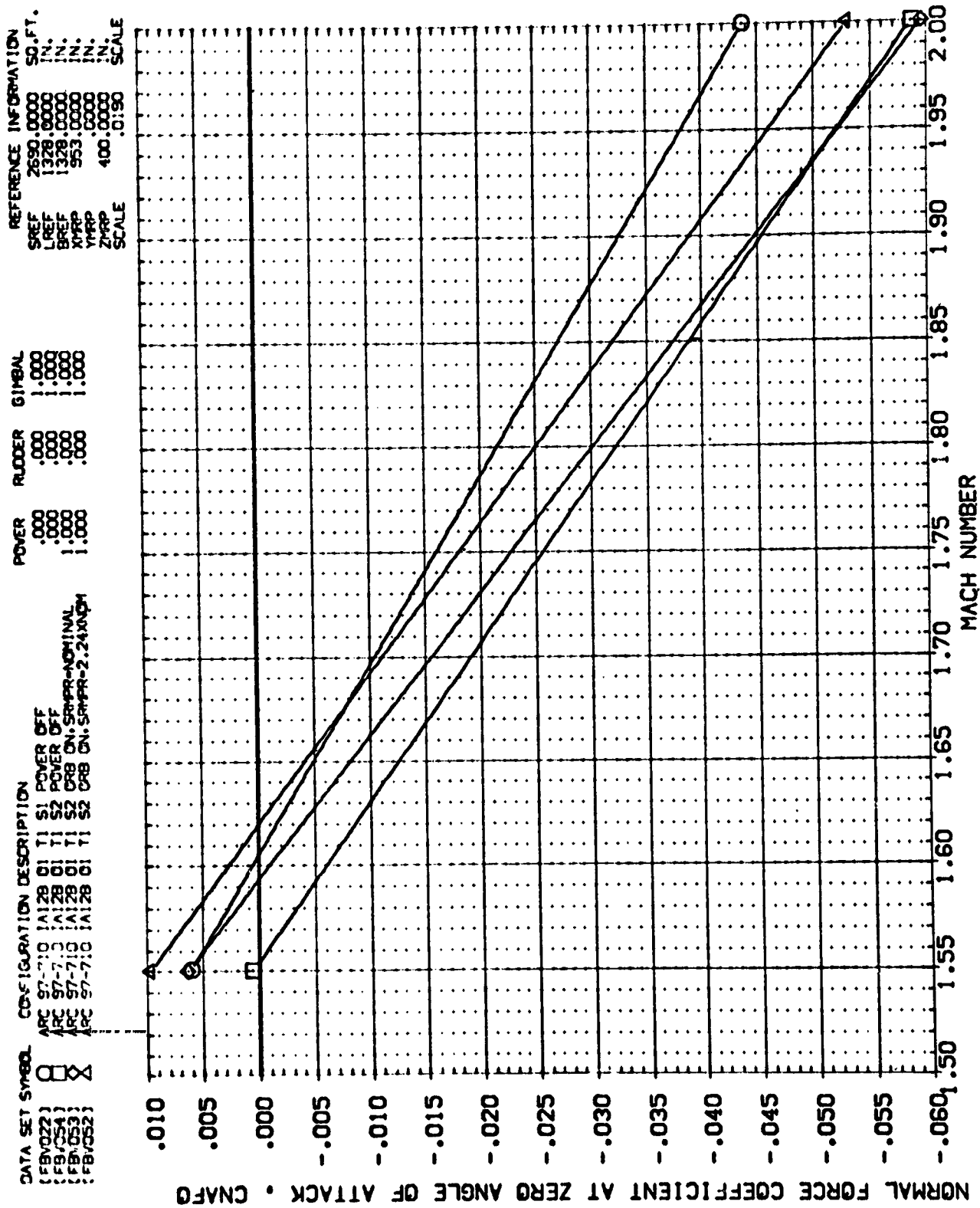
SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL	REFERENCE INFORMATION
(FBV022)	ARC 97-710 [A] 28 01 T1 S1 POWER OFF	.000	.000	1.000	SREF 2690.0000 SC.FT.
(FBV054)	ARC 97-710 [A] 28 01 T1 S2 POWER OFF	.000	.000	1.000	LREF 1328.0000 IN.
(FBV053)	ARC 97-710 [A] 28 01 T1 S2 ORB ON, SREF-NOMINAL	1.000	.000	1.000	BREF 1328.0030 IN.
(FBV052)	ARC 97-710 [A] 28 01 T1 S2 ORB ON, SREF=2.24XND#	1.000	.000	1.000	XMRP 953.0000 IN.
					YMRP 400.0000 IN.
					ZMRP 400.0000 IN.
					SCALE .0190 SCALE



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL

(FBV022) ARC 97-710 1A128 01 T1 S1 POWER OFF .000 .000 1.000

(FBV054) ARC 97-710 1A128 01 T1 S2 POWER OFF .000 .000 1.000

(FBV053) ARC 97-710 1A128 01 T1 S2 CRB ON, SHPR-NOMINAL .000 .000 1.000

(FBV052) ARC 97-710 1A128 01 T1 S2 CRB ON, SHPR-2.24X10M 1.000 1.000 1.000

REFERENCE INFORMATION

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LREF 1328.0000 IN.

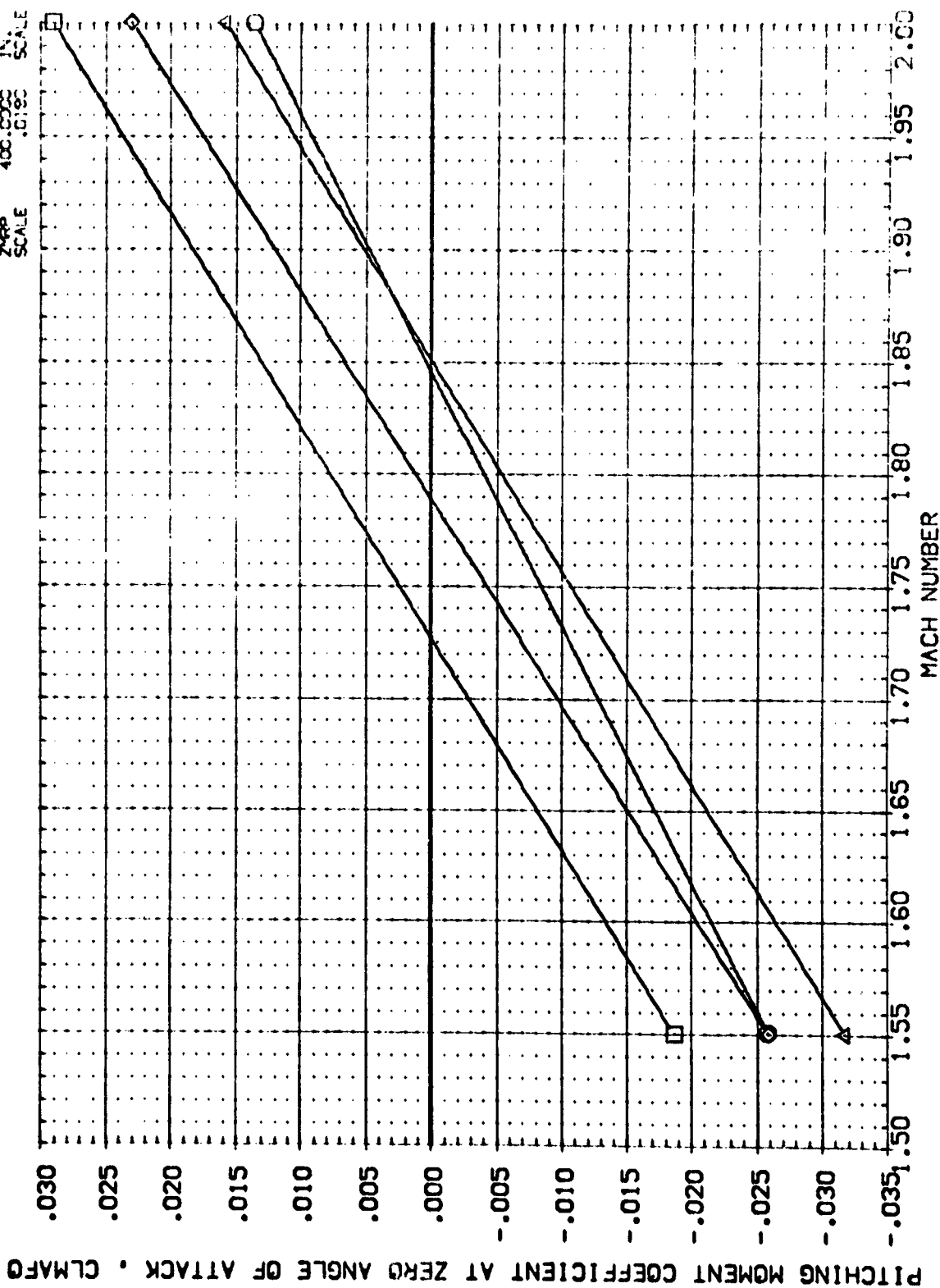
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XREF 653.0000 IN.

YREF 400.0000 IN.

ZREF 400.0000 IN.

SCALE .0190 SCALE



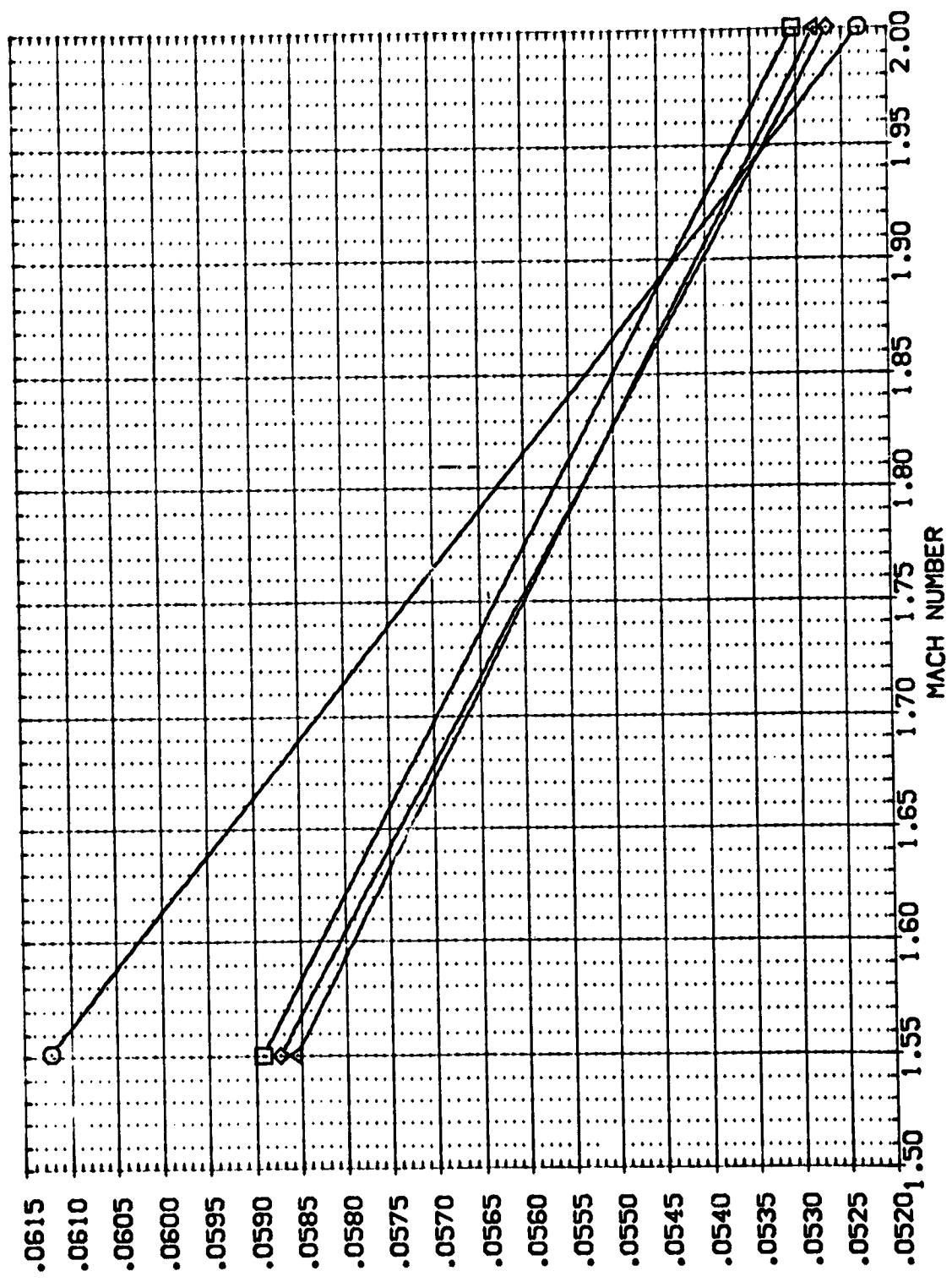
SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

REFERENCE INFORMATION
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 BREF 1378.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP 400.0000 IN.
 SCALE .0190

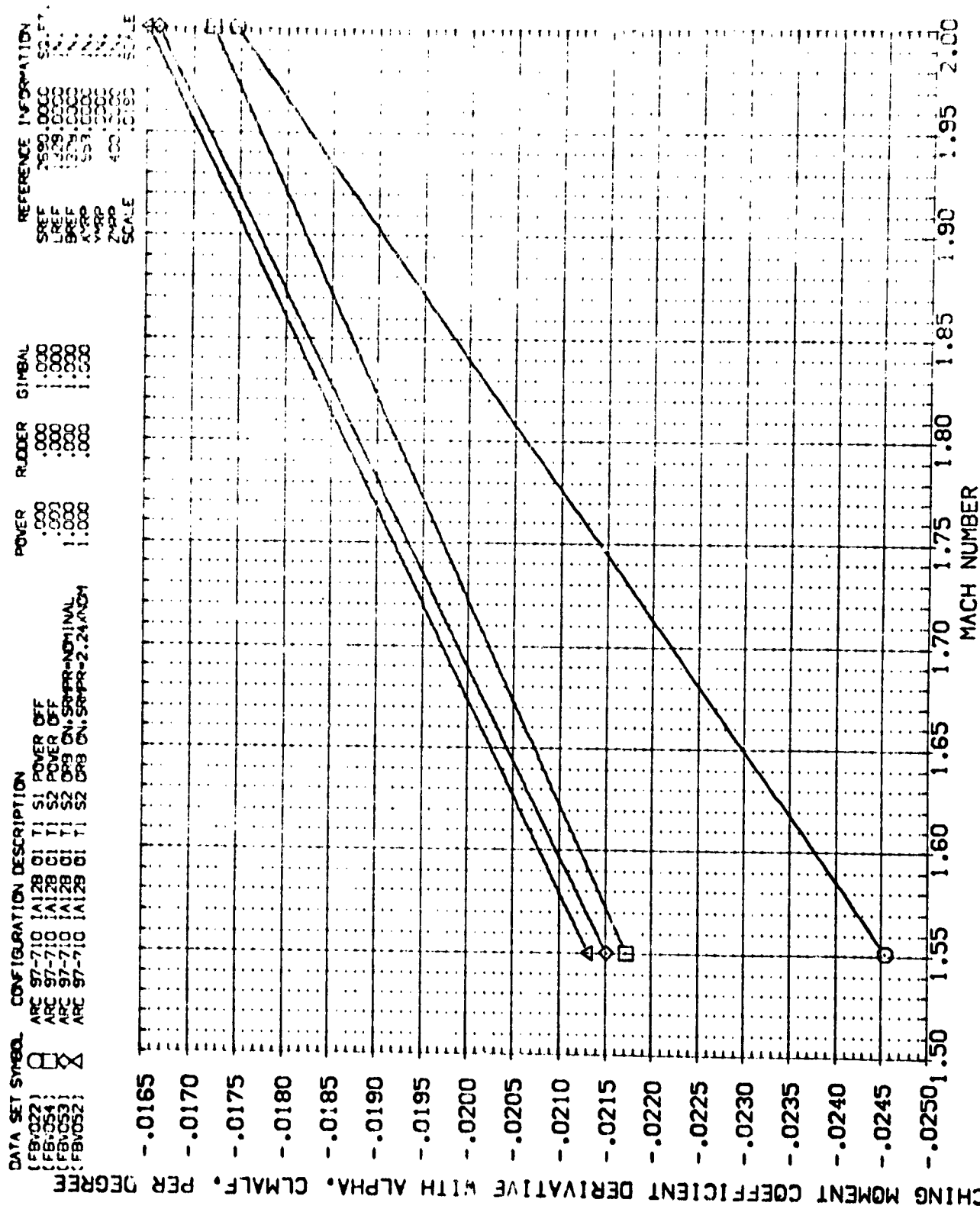
POWER RUDDER GIMBAL
 .000 .000 1.000
 .000 .000 1.000
 .000 .000 1.000
 1.000 1.000 1.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (FBV022) ARC 97-710 A128 01 T1 S1 POWER OFF
 (FBV054) ARC 97-710 A128 01 T1 S2 POWER OFF
 (FBV053) ARC 97-710 A128 01 T1 S2 ORB ON, SRPR-NOMINAL
 (FBV052) ARC 97-710 A128 01 T1 S2 ORB ON, SRPR=2.24XNDH

NORMAL FORCE COEFFICIENT DERIVATIVE WITH ALPHA, CNALFA, PER DEGREE





SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS



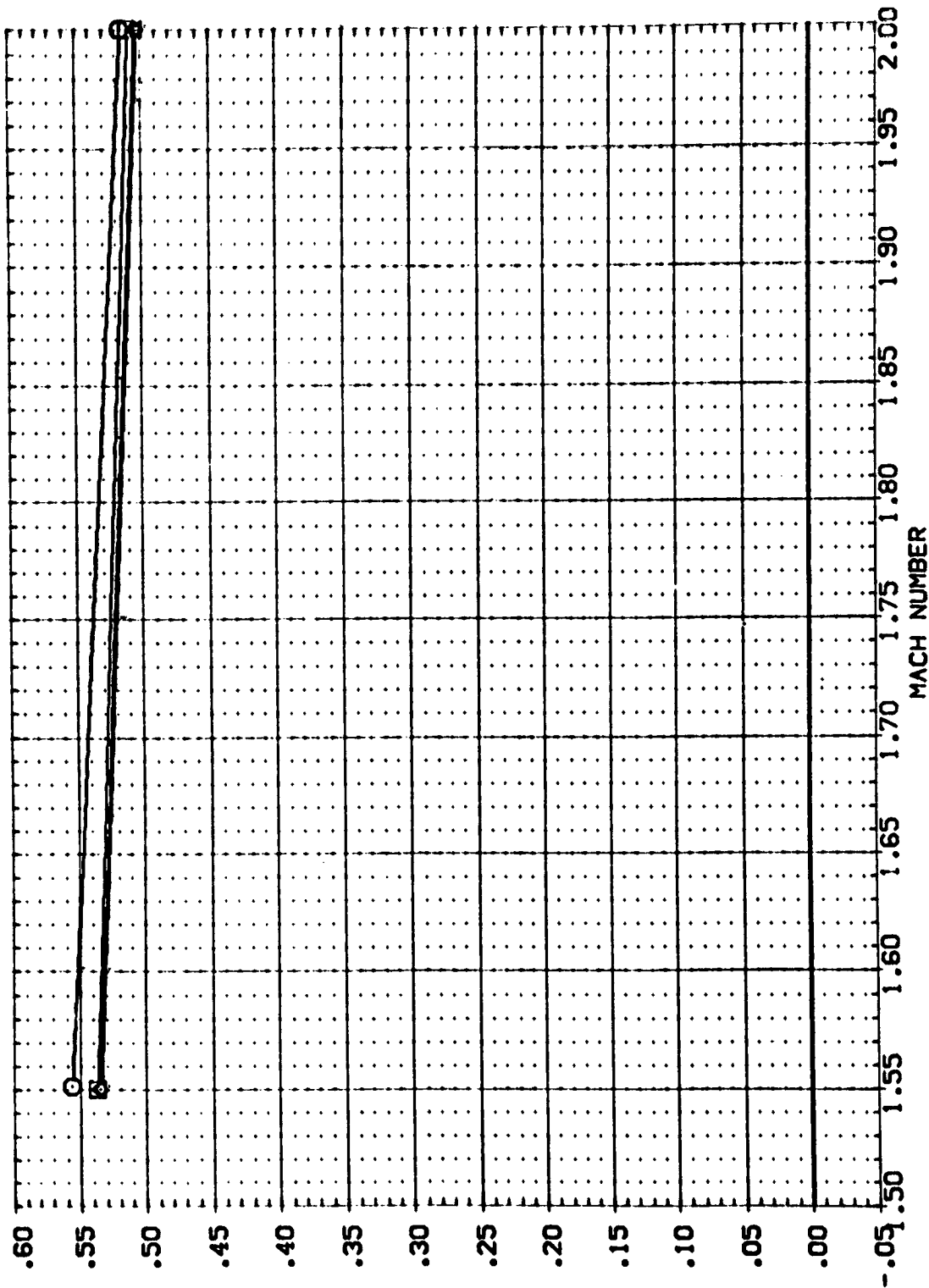
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 LREF 1328.0000 IN.
 BREF 1328.0000 IN.
 XPRP 953.0000 IN.
 YPRP 400.0000 IN.
 ZPRP .0190 IN.
 SCALE

POWER RUDDER GIMBAL
 .000 .000 1.000
 .000 .000 1.000
 1.000 .000 1.000

CONFIGURATION DESCRIPTION
 ARC 97-710 1A128 01 T1 S1 POWER OFF
 ARC 97-710 1A128 01 T1 S2 POWER OFF
 ARC 97-710 1A128 01 T1 S2 DRB ON, SRPR-NOMINAL
 ARC 97-710 1A128 01 T1 S2 DRB ON, SRPR-2.24XNDH

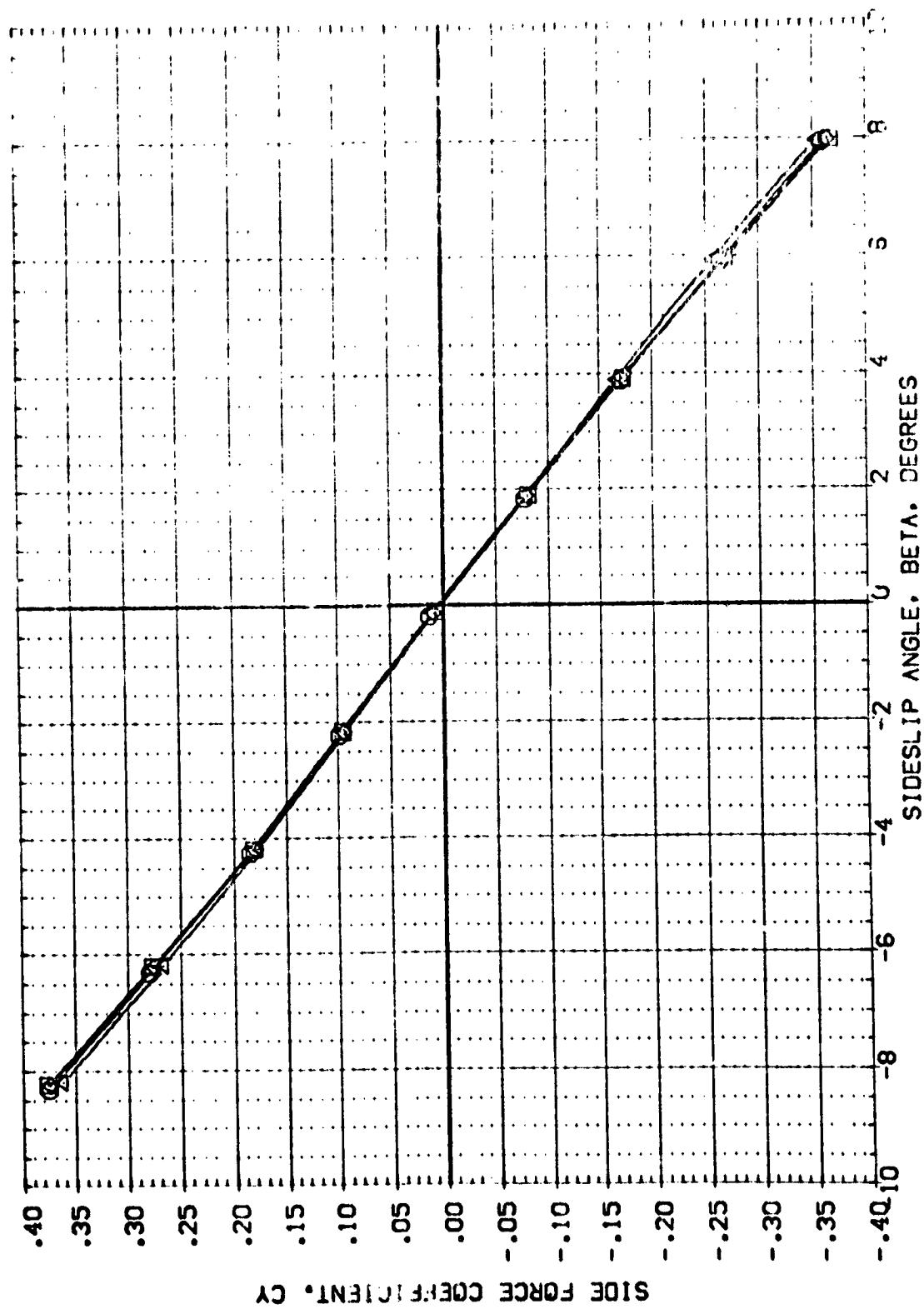
DATA SET SYMBOL
 (FBV022) 
 (FBV054) 
 (FBV053)
 (FBV052)

LONGITUDINAL AERODYNAMIC CENTER, XAC/L PERCENT OF BODY LENGTH



SRB SHROUD EFFECTS ON LONGITUDINAL CHARACTERISTICS

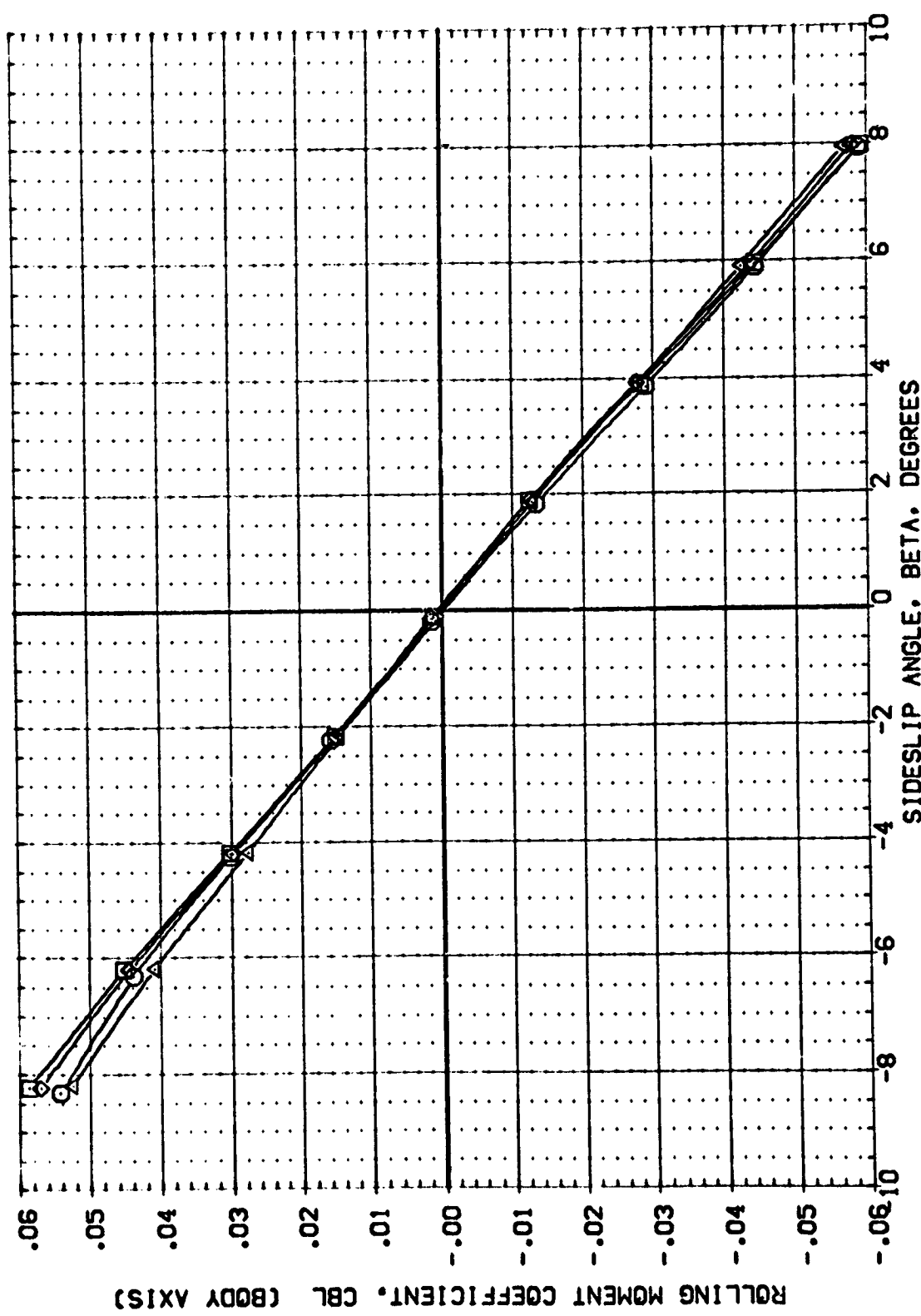
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDER	REFERENCE INFORMATION
(BBV027)	ARC 97-710 (A128 01 T1 S1 POWER OFF			.000	.000	SREF 1500 0000
(BBV053)	ARC 97-710 (A128 01 T1 S2 POWER OFF			.000	.000	LREF 1500 0000
(BBV052)	ARC 97-710 (A128 01 T1 S2 CFB ON, SRPR-NOMINAL	.433	.469	1.000	.000	RREF 1500 0000
(BBV061)	ARC 97-710 (A128 01 T1 S2 CFB ON, SRPR-2.24XNOM	.433	1.050	1.000	.000	XREF 1500 0000
						YREF 1500 0000
						ZREF 1500 0000
						SCALE



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

CAJ MACH = 1.55

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDER	REFERENCE INFORMATION
(BBV027)	ARC 97-710 [A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
(BBV053)	ARC 97-710 [A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
(BBV052)	ARC 97-710 [A128 01 T1 S2 CRB ON: SRPR-NOMINAL	.433	.469	1.000	.000	BREF 1328.0000 IN.
(BBV051)	ARC 97-710 [A128 01 T1 S2 CRB ON: SRPR=2.24XNOM	.433	1.050	1.000	.000	YPRP 953.0000 IN.
						ZPRP 400.0000 IN.
						SCALE .0190

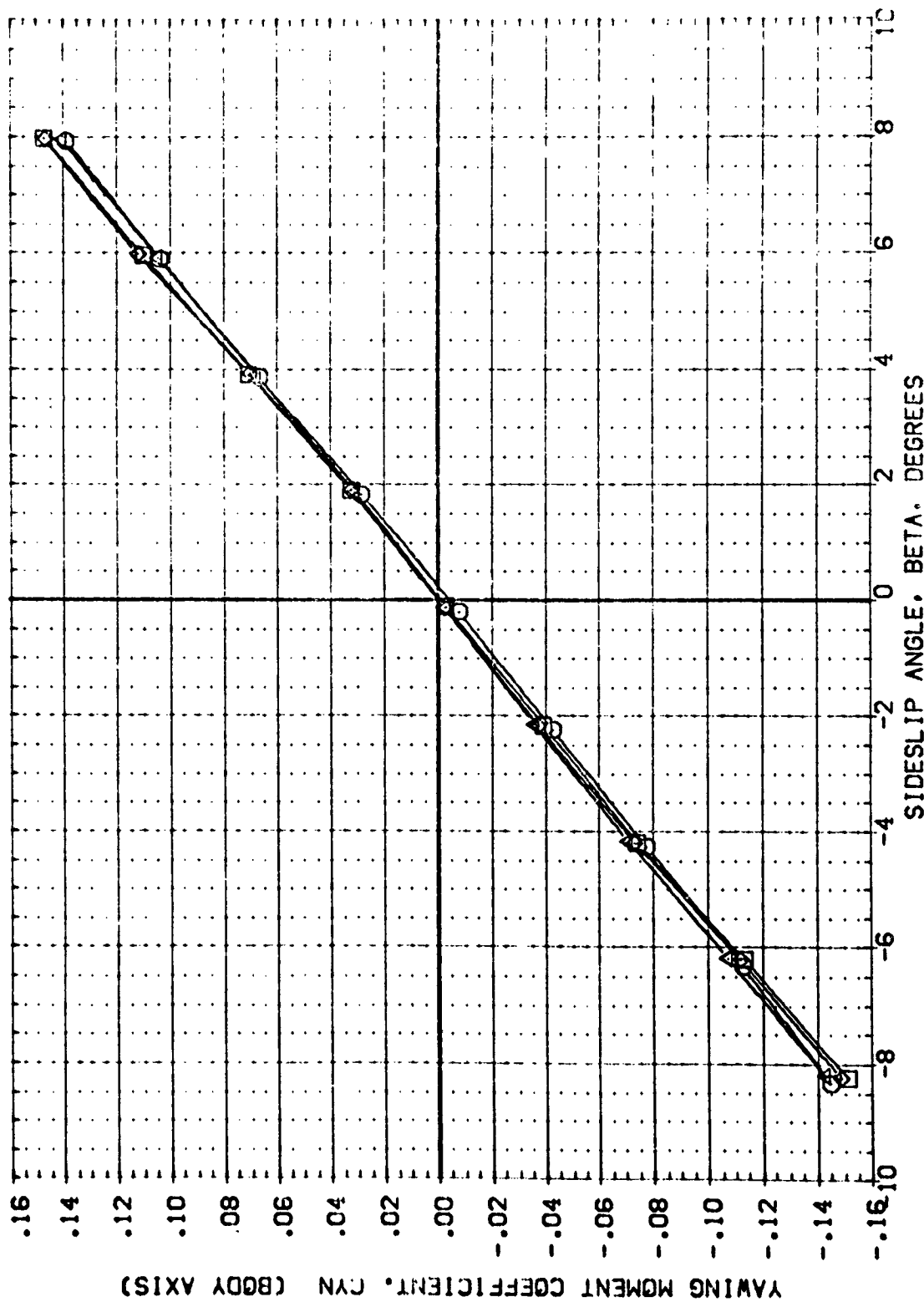


SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(M)MACH = 1.55

DATA SET SYMBOL CONFIGURATION DESCRIPTION

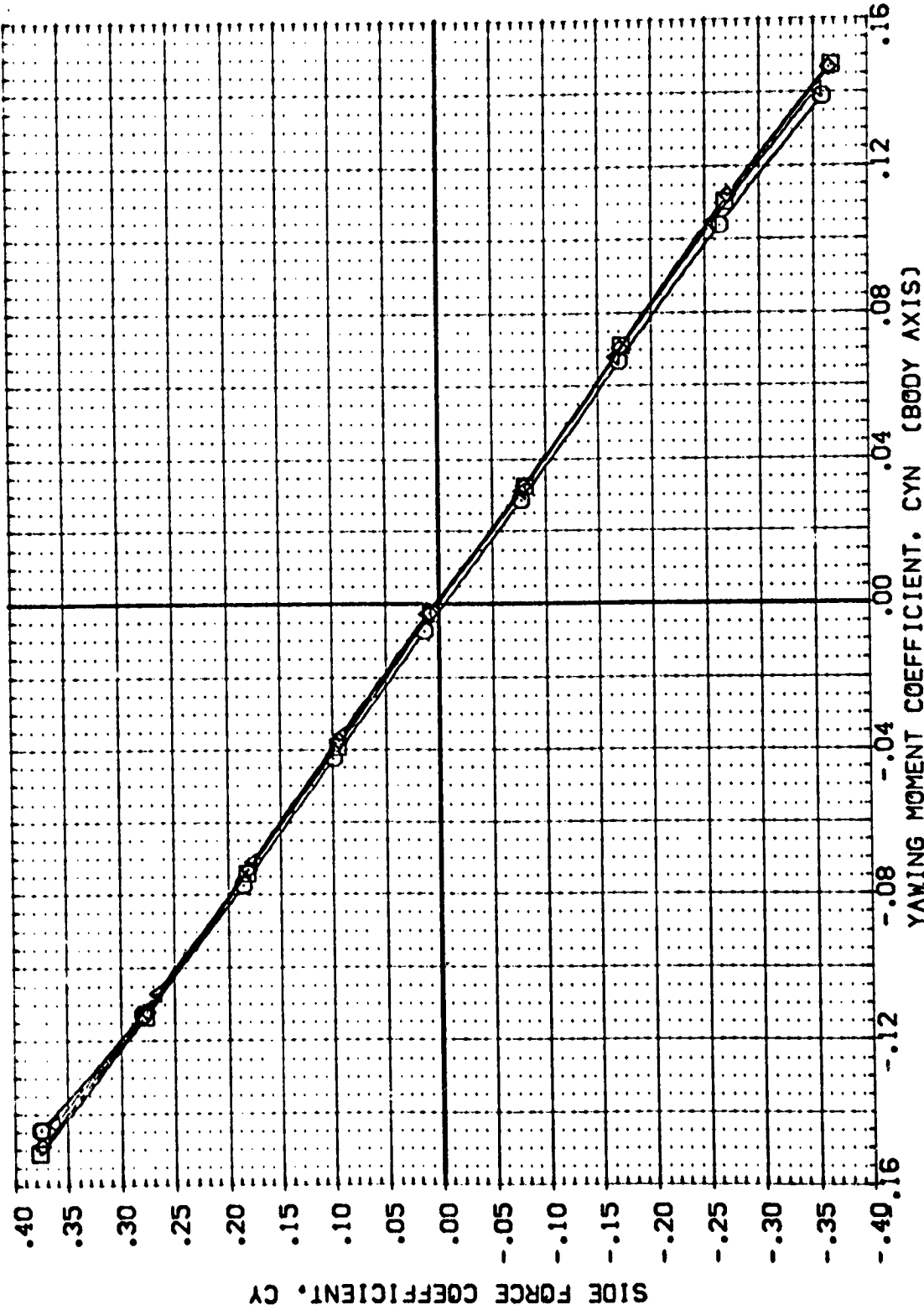
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SM-PR	POWER	RUDDER	REFERENCE INFORMATION
[BBV27]	ARC 97-710 1A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SC 1.1
[BBV263]	ARC 97-710 1A128 01 T1 S2 POWER OFF			.000	.000	LREF 378.0000
[BBV262]	ARC 97-710 1A128 01 T1 S2 OPR ON, SM-PR-NOMINAL	.433	.469	1.000	.000	BREF 328.0000
[BBV261]	ARC 97-710 1A128 01 T1 S2 OPR ON, SM-PR-2.24XNDH	.433	1.050	1.000	.000	YMRP 553.0000
						ZMRP 0.0000
						SCALE 470.0000
						SCALE 0.190



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

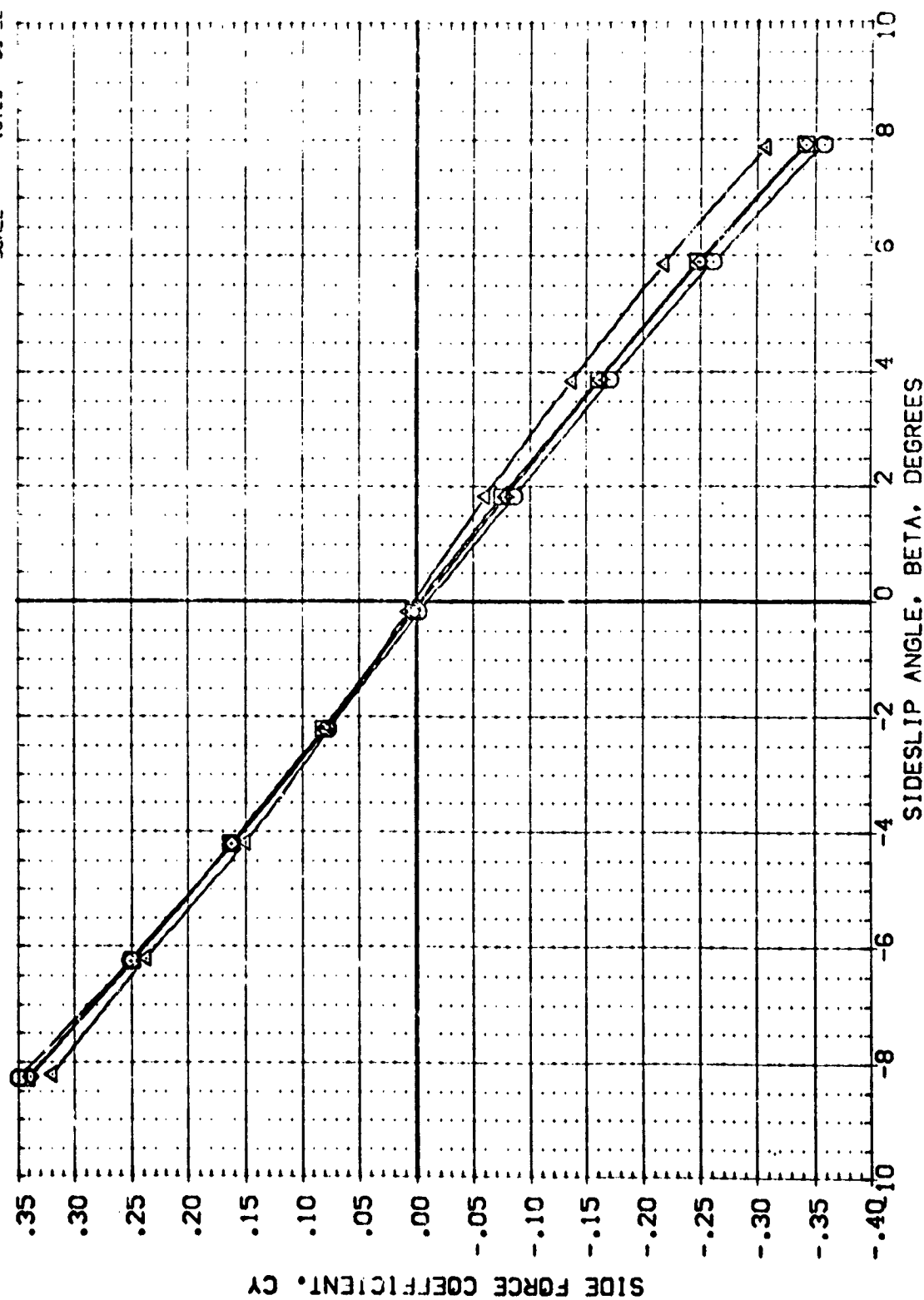
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMR	POWER	RUDDER	REFERENCE INFORMATION
88/0271	APC 97-710 1A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
88/0283	APC 97-710 1A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
88/0321	APC 97-710 1A128 01 T1 S2 CFB ON, SRMR-NOMINAL	.433	.169	1.000	.000	BREF 1378.0000 IN.
88/0322	APC 97-710 1A128 01 T1 S2 CFB ON, SRMR-2.2400M	.433	1.050	1.000	.000	XREF 953.0000 IN.
88/0611	APC 97-710 1A128 01 T1 S2 CFB ON, SRMR-2.2400M					YREF 400.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	OPR	SM-PR	POWER	RUDDER	REFERENCE INFORMATION
(BBV003)	□	ARC 97-710 (A) 28 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 50.0°
(BBV059)	□	ARC 97-710 (A) 28 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 0°
(BBV059)	□	ARC 97-710 (A) 28 01 T1 S2 ORB ON: SM-PR-NOMINAL	.409	.557	1.000	.000	BREF 1328.0000 0°
(BBV258)	△	ARC 97-710 (A) 28 01 T1 S2 ORB ON: SM-PR-2.24KNOM	.409	1.245	1.000	.000	X-PRP 953.0000 0°
							Y-PRP 400.0000 0°
							Z-PRP 400.0000 0°
							SCALE 0.192



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

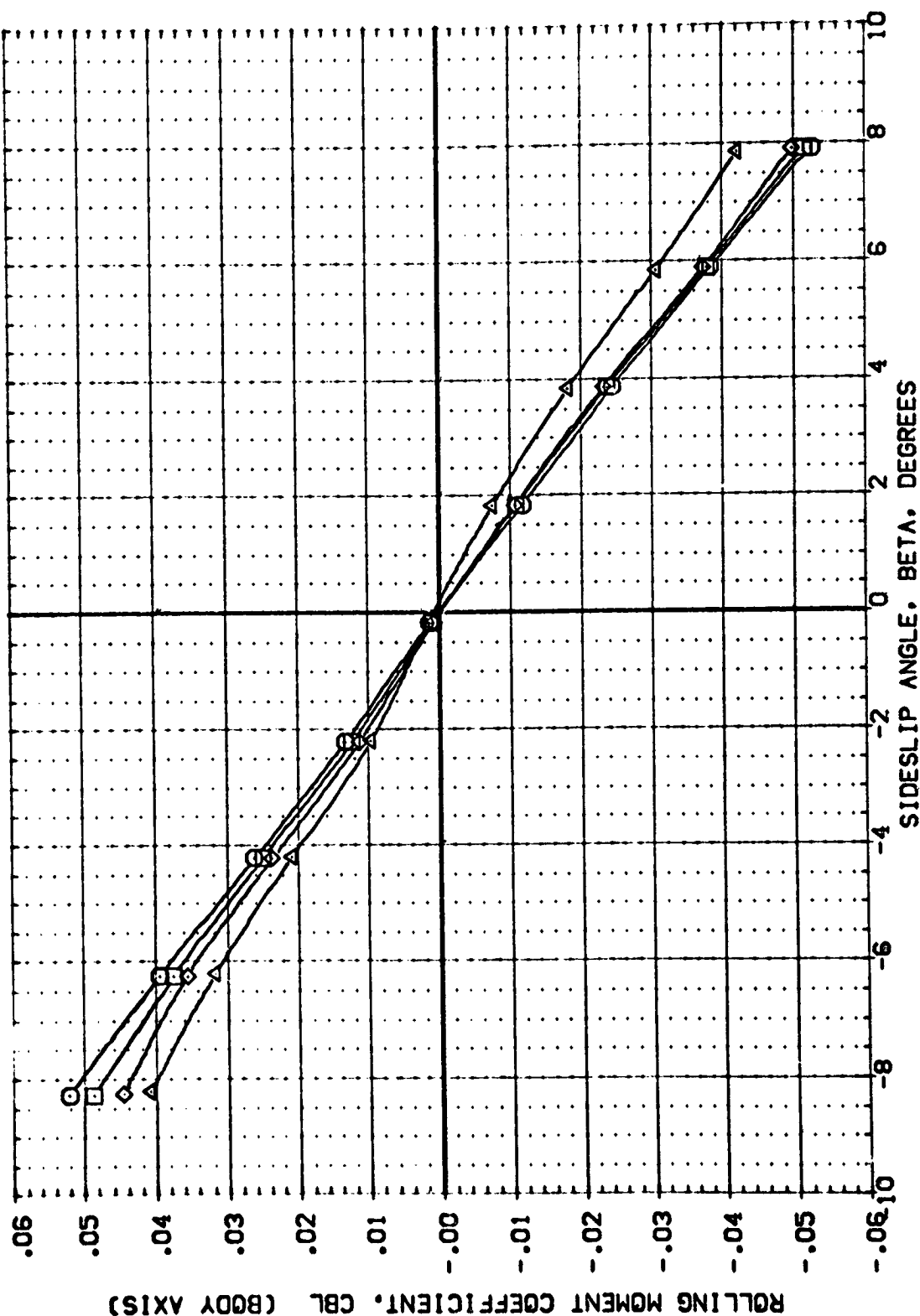
DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(BBVC03)	ARC 97-710	A1:29 01 T1 S1 POWER OFF
(BBVC58)	ARC 97-710	A1:29 01 T1 S2 POWER OFF
(BBVC60)	ARC 97-710	A1:29 01 T1 S2 CRB ON, SRPR-NOMINAL
(BBVC58)	ARC 97-710	A1:29 01 T1 S2 CRB ON, SRPR-2.24XNOM

OPR SRPR POWER RUDDER

OPR	SRPR	POWER	RUDDER
.409	.557	.000	.000
.409	1.245	.000	.000
		1.000	.000
		1.000	.000

REFERENCE INFORMATION

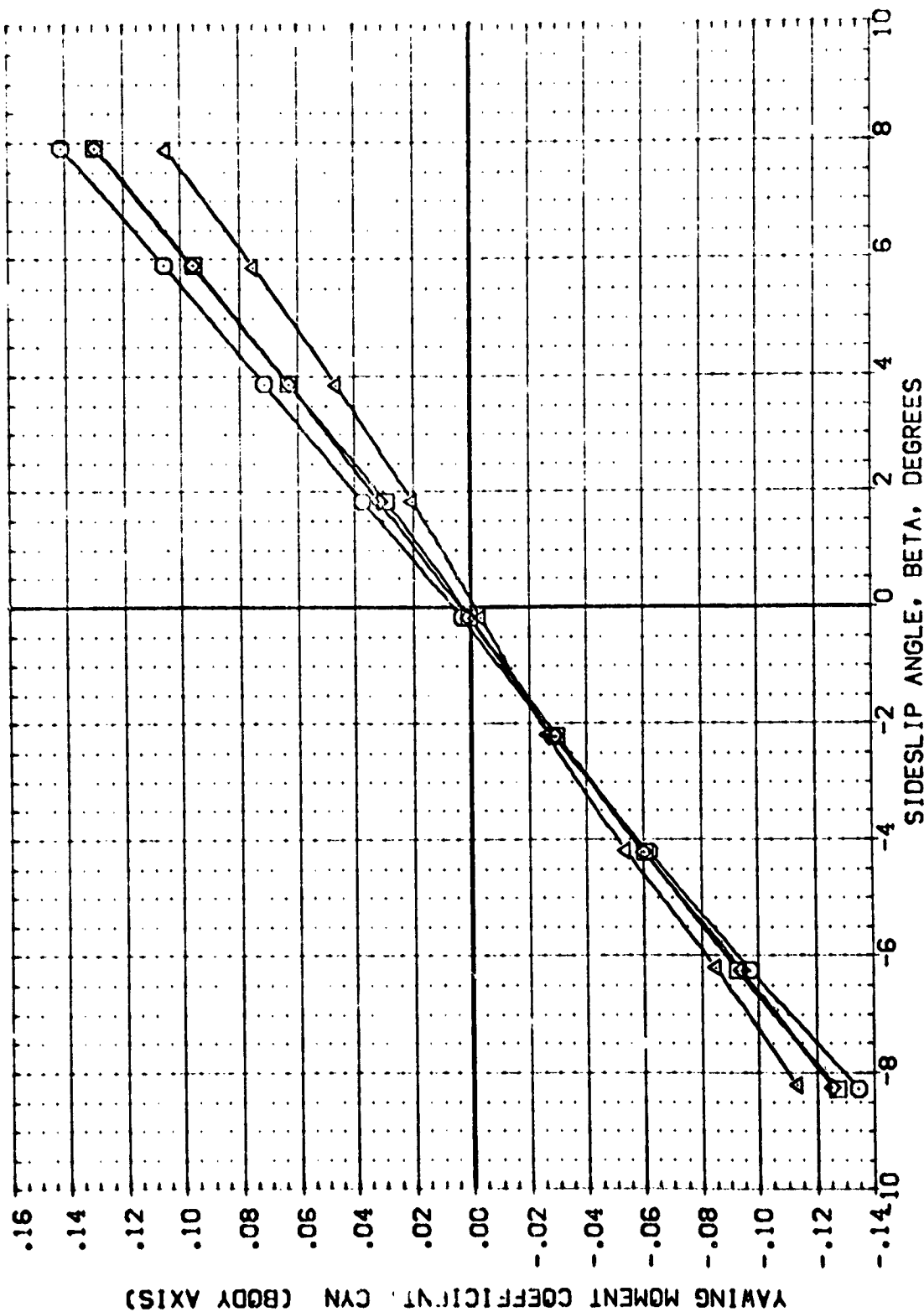
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LREF	1328.0000
BREF	1328.0000
XPRP	953.0000
YPRP	.0000
ZPRP	400.0000
SCALE	.0190



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

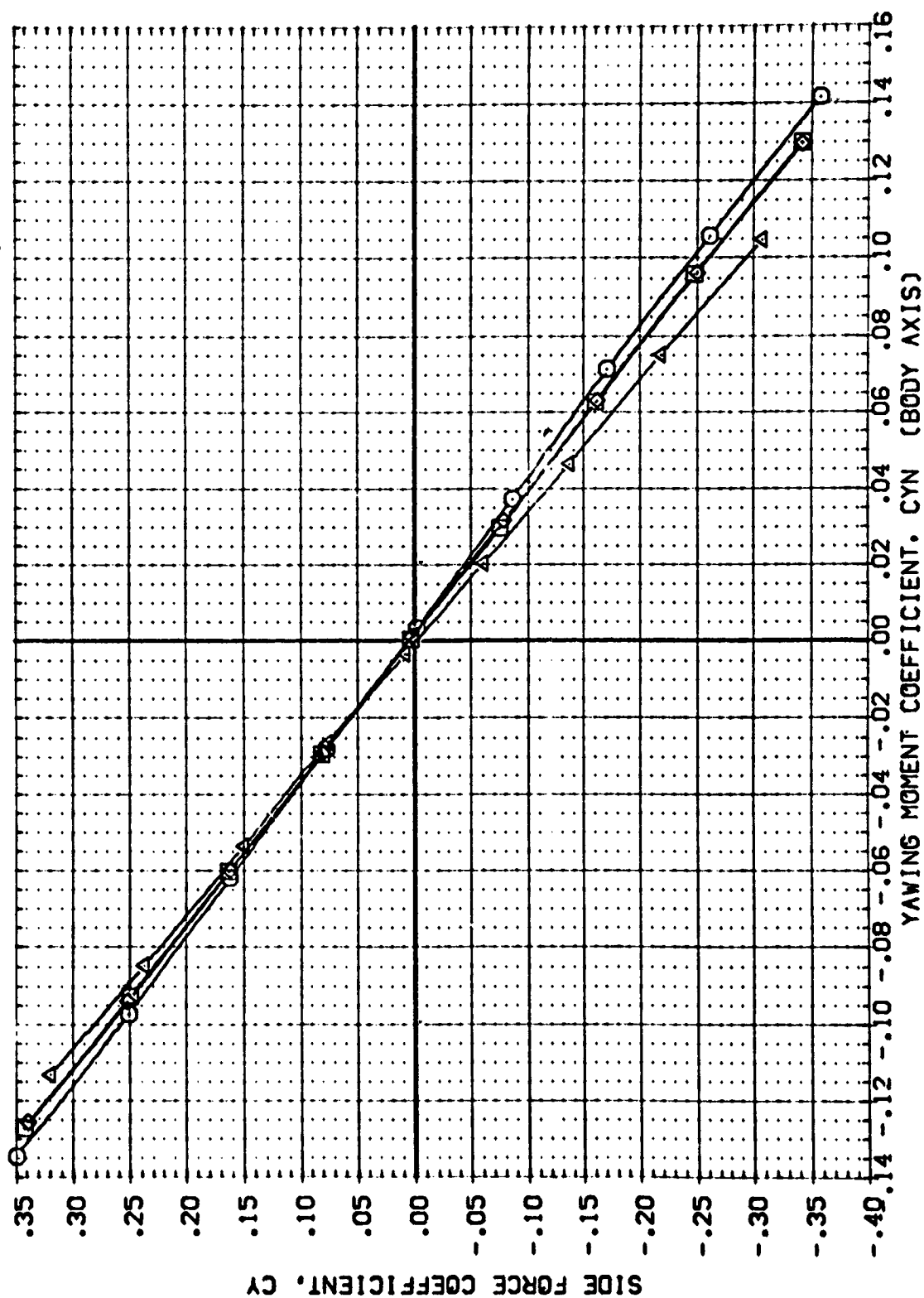
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRPR	POWER	RUDER	REFERENCE INFORMATION
(BB/003)	ARC 97-710 IAI28 OI T1 S1 POWER OFF			.000	.000	SPREF 2690.0000 SCALE
(BB/059)	ARC 97-710 IAI28 OI T1 S2 POWER OFF	.409	.557	.000	.000	LPREF 328.0000
(BB/060)	ARC 97-710 IAI28 OI T1 S2 CRB ON: SRPR-NOMINAL	.409	1.245	1.000	.000	BRPF 328.0000
(BB/058)	ARC 97-710 IAI28 OI T1 S2 CRB ON: SRPR-2.24XNOM			1.000	.000	YMPF 553.0000
						ZMPF 400.0000
						SCALE 400.0000



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A)MACH = 2.00

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	OPR	SRMPR	POWER	RUDDER	REFERENCE INFORMATION
[BBV003]	ARC 97-710 [A128 01 T1 S1 POWER OFF			.000	.000	SREF 2690.0000 SQ.FT.
[BBV059]	ARC 97-710 [A128 01 T1 S2 POWER OFF			.000	.000	LREF 1328.0000 IN.
[BBV060]	ARC 97-710 [A128 01 T1 S2 098 ON SRMPR-NOMINAL	.409	.557	1.000	.000	BREF 1328.0000 IN.
[BBV058]	ARC 97-710 [A128 01 T1 S2 098 ON SRMPR-2.24XNOM	.408	1.245	1.000	.000	XREF 953.0000 IN.
						YREF 400.0000 IN.
						ZREF 400.0000 IN.
						SCALE .0190 SCALE

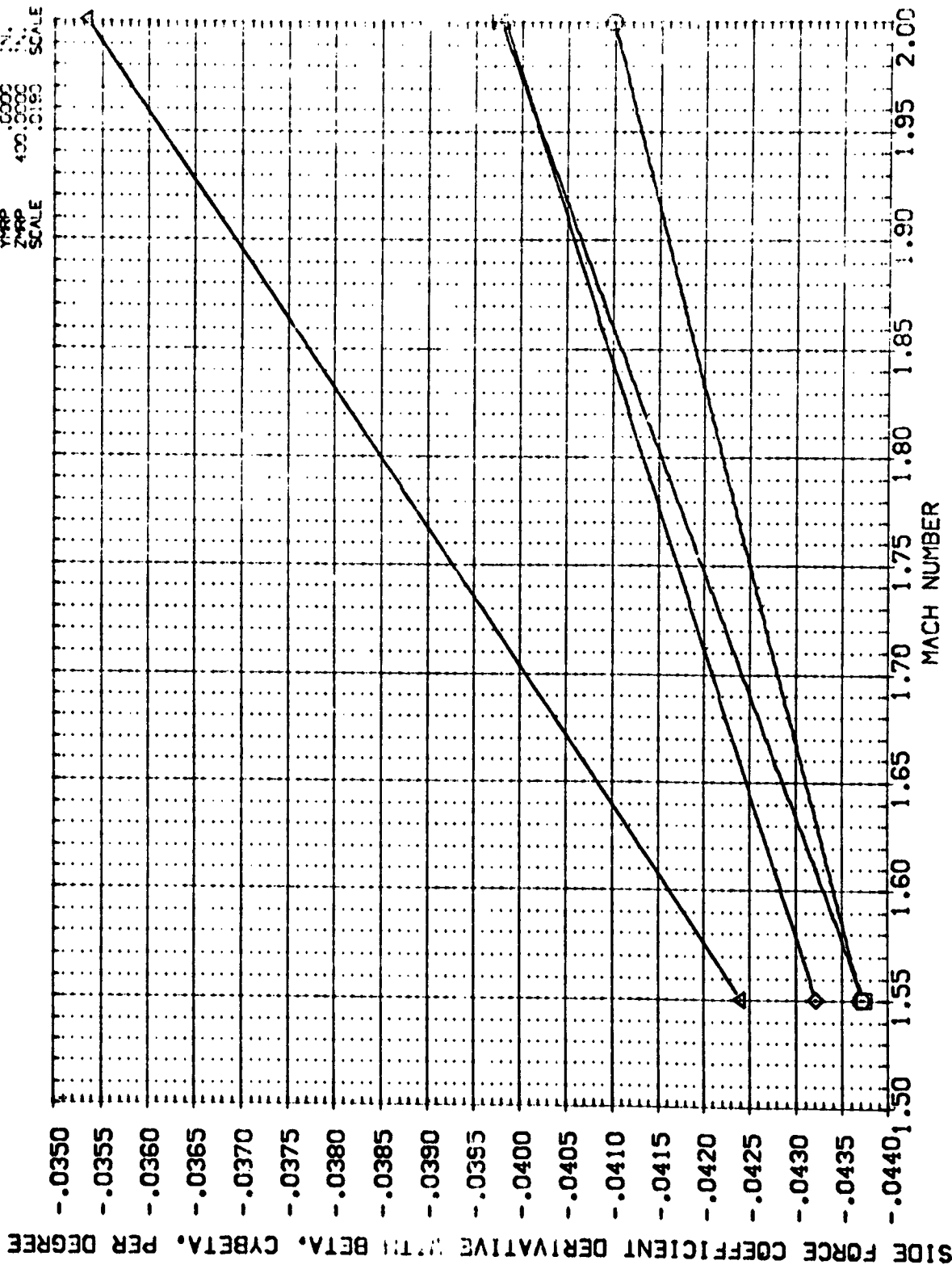


SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

(A) MACH = 2.00

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER RUDDER GIMBAL REFERENCE INFORMATION

(GBV027)	ARC 97-710 1A128 01 T1 S1 POWER OFF	.000	.000	.000	SREF 2690.0000
(GBV053)	ARC 97-710 1A128 01 T1 S2 POWER OFF	.000	.000	.000	LREF 328.0000
(GBV052)	ARC 97-710 1A128 01 T1 S2 DRB ON, SRPR-NOMINAL	1.000	.000	.000	BREF 328.0000
(GBV051)	ARC 97-710 1A128 01 T1 S2 DRB ON, SRPR=2.24XNDH	1.000	.000	.000	XPRP 953.0000
					YPRP .0000
					ZPRP .0000
					SCALE .0190



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(03/027) APC 97-710 A128 01 T1 S1 POWER OFF

(03/063) APC 97-710 A128 01 T1 S2 POWER OFF

(03/062) APC 97-710 A128 01 T1 S2 CRB ON, SRPR-NOMINAL

(03/061) APC 97-710 A128 01 T1 S2 CRB ON, SRPR=2.24XCRB

POWER RUDDER GIMBAL

.000 .000 .000

.000 .000 .000

.000 .000 .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1328.0000 IN.

BREF 1328.0000 IN.

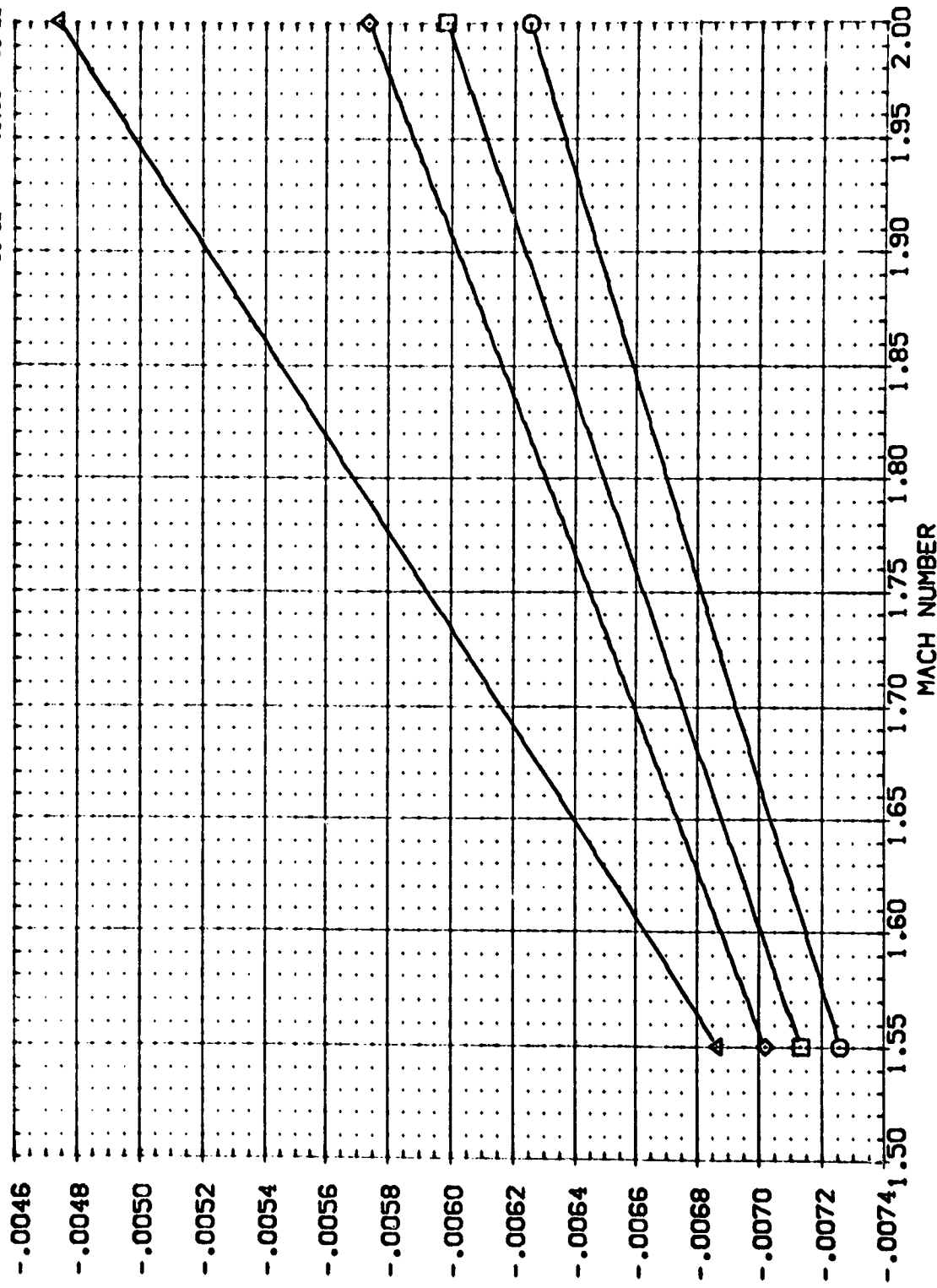
XPRP 953.0000 IN.

YPRP 400.0000 IN.

ZPRP 400.0000 IN.

SCALE .0190 SCALE

ROLLING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CBLBET, PER DEGREE



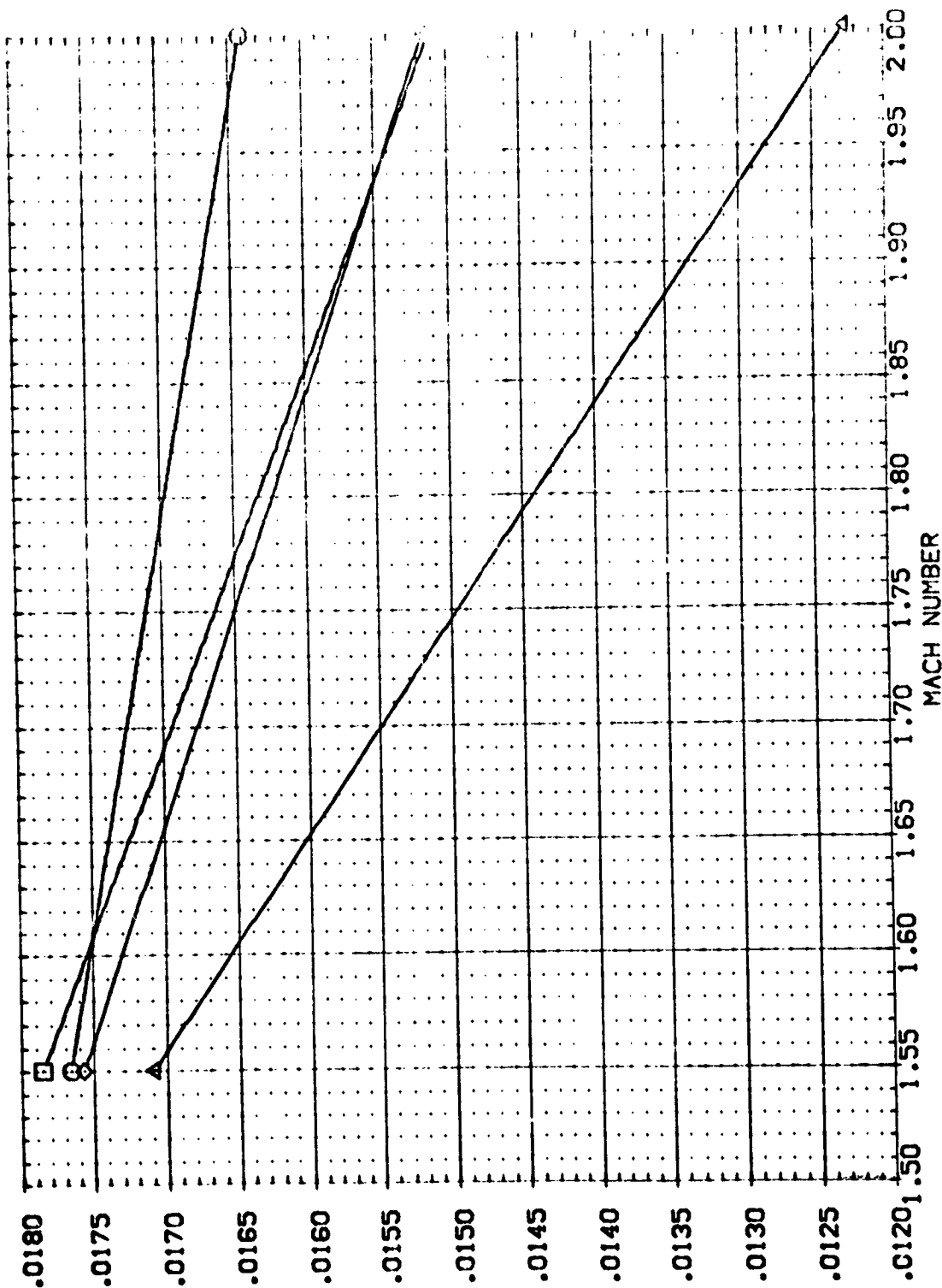
SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

YAWING MOMENT COEFFICIENT DERIVATIVE WITH BETA, CYNBET, PER DEGREE

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (CBV027) ARC 97-710 [A128 01 T1 S1 POWER OFF
 (CBV053) ARC 97-710 [A128 01 T1 S2 POWER OFF
 (CBV082) ARC 97-710 [A128 01 T1 S2 ORB ON, SHPR-NOMINAL
 (CBV061) ARC 97-710 [A128 01 T1 S2 ORB ON, SHPR-2.24XNOM

POWER RUDDER GIMBAL
 .000 .000 1.000
 .000 .000 1.000
 1.000 1.000 1.000

REFERENCE INFORMATION
 SREF 2590.0000 50. FT.
 LREF 1328.0000
 SREF 328.0000
 XREF 953.0000
 YREF 400.0000
 ZREF 100.0000
 SCALE 1.000



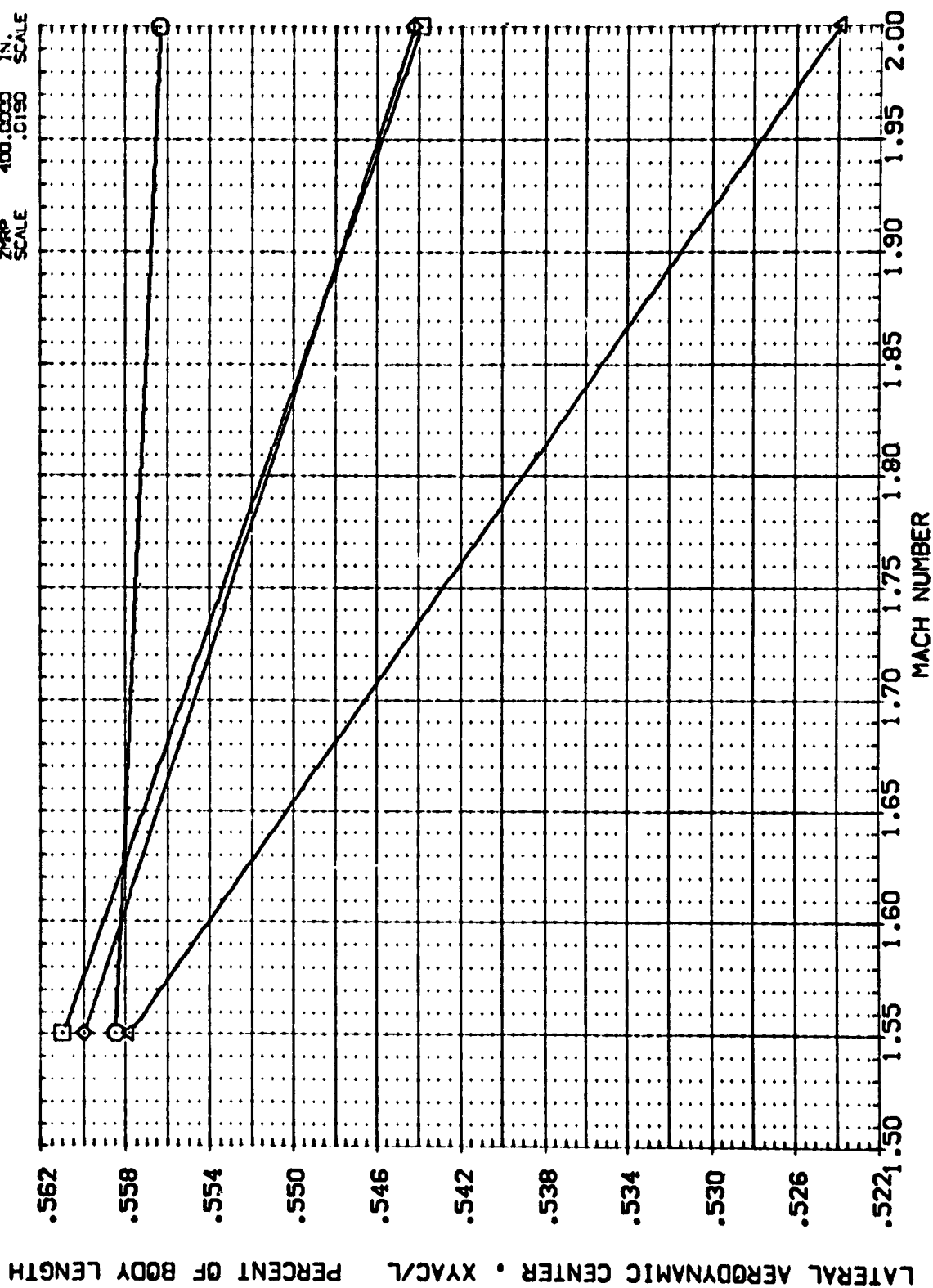
SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	RUDDER	GIMBAL
(CBV027)	ARC 97-710 (A128 Q1 T1 S1 POWER OFF	.000	.000	1.000
(CBV053)	ARC 97-710 (A128 Q1 T1 S2 POWER OFF	.000	.000	1.000
(CBV052)	ARC 97-710 (A128 Q1 T1 S2 CRB ON, SHPR-NOMINAL	1.000	.000	1.000
(CBV051)	ARC 97-710 (A128 Q1 T1 S2 CRB ON, SHPR-2.24X10M	1.000	.000	1.000

REFERENCE INFORMATION

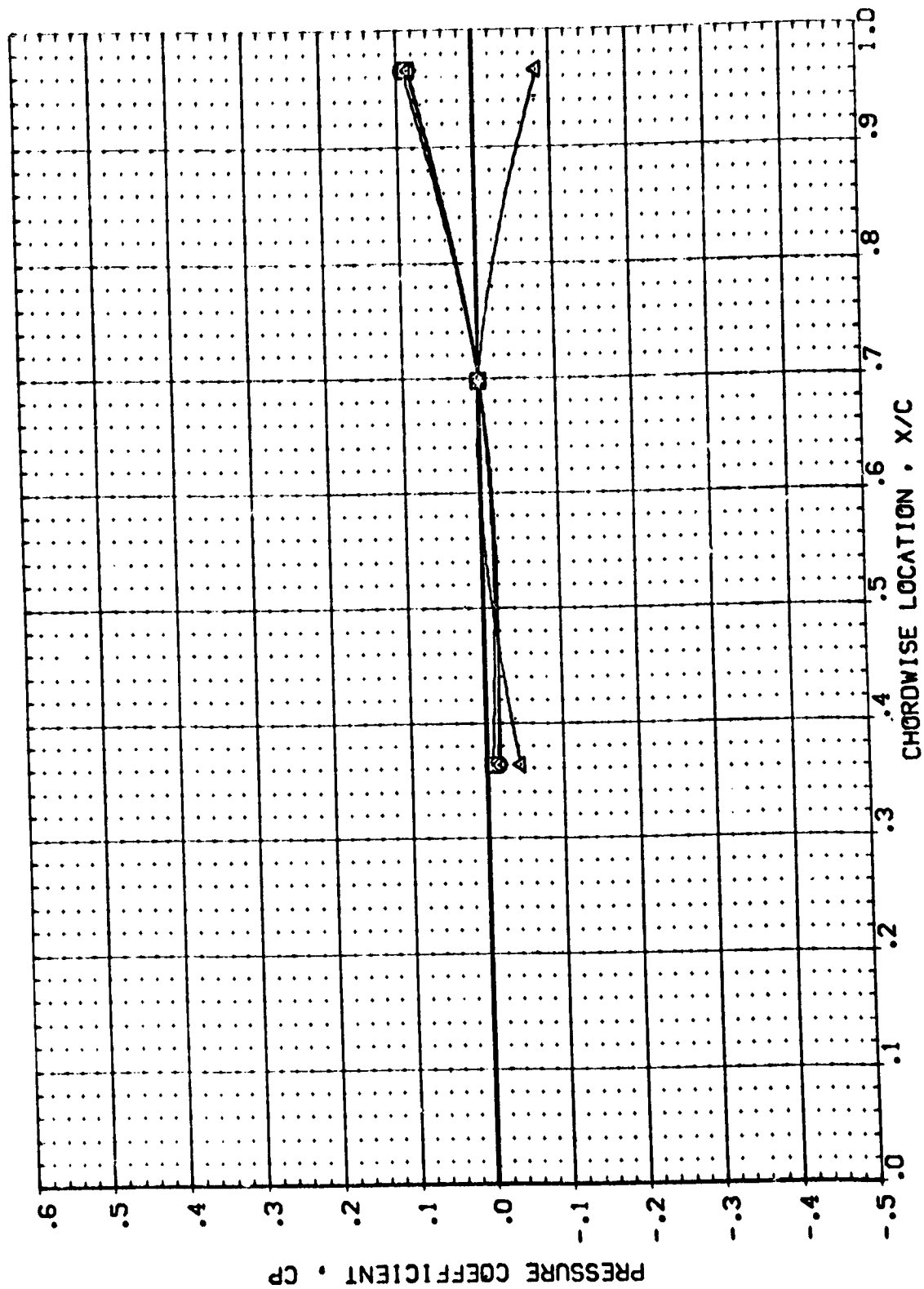
REFERENCE INFORMATION	SO. FT.
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BREF	1328.0000
XPRP	953.0000
YPRP	400.0000
ZPRP	400.0000
SCALE	.0150



SRB SHROUD EFFECTS ON LATERAL CHARACTERISTICS

DATA FIGURES - PRESSURE

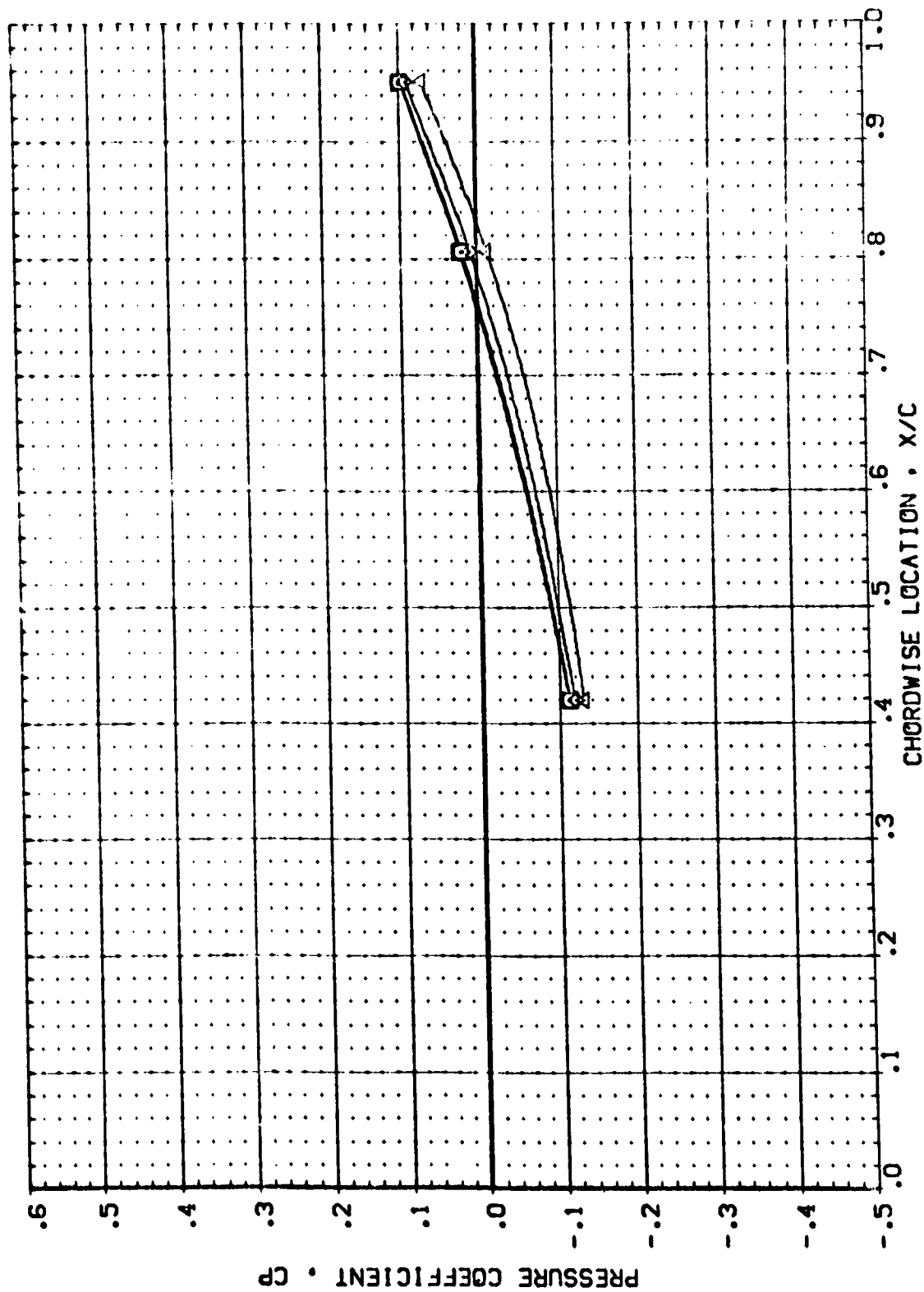
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
BB722	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.433	.469	.000
BB723	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	.000
BB728	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.790	.000
BB729	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PG#14	OPR	SUMPR	R.OOER
(RBVT22)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.120	.433	.469	.000
(RBVT23)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.122	.433	1.000	.000
(RBVT28)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.123	.433	1.790	.000
(RBVT29)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.124	.433		

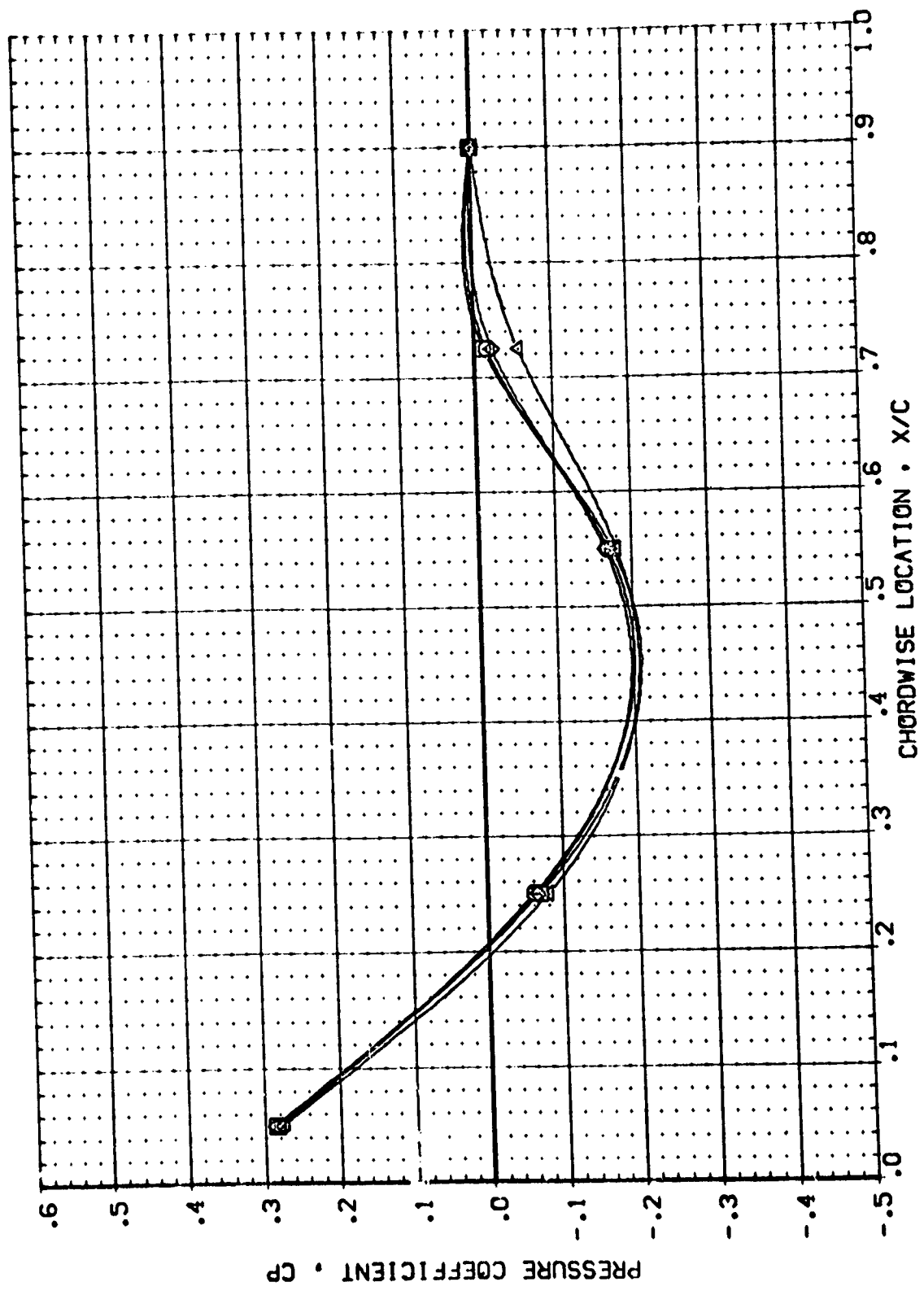


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .427

POWER	OPR	SRMPR	RUDDER
.000	.433	.459	.000
1.000	.433	1.050	.000
1.300	.433	1.750	.000

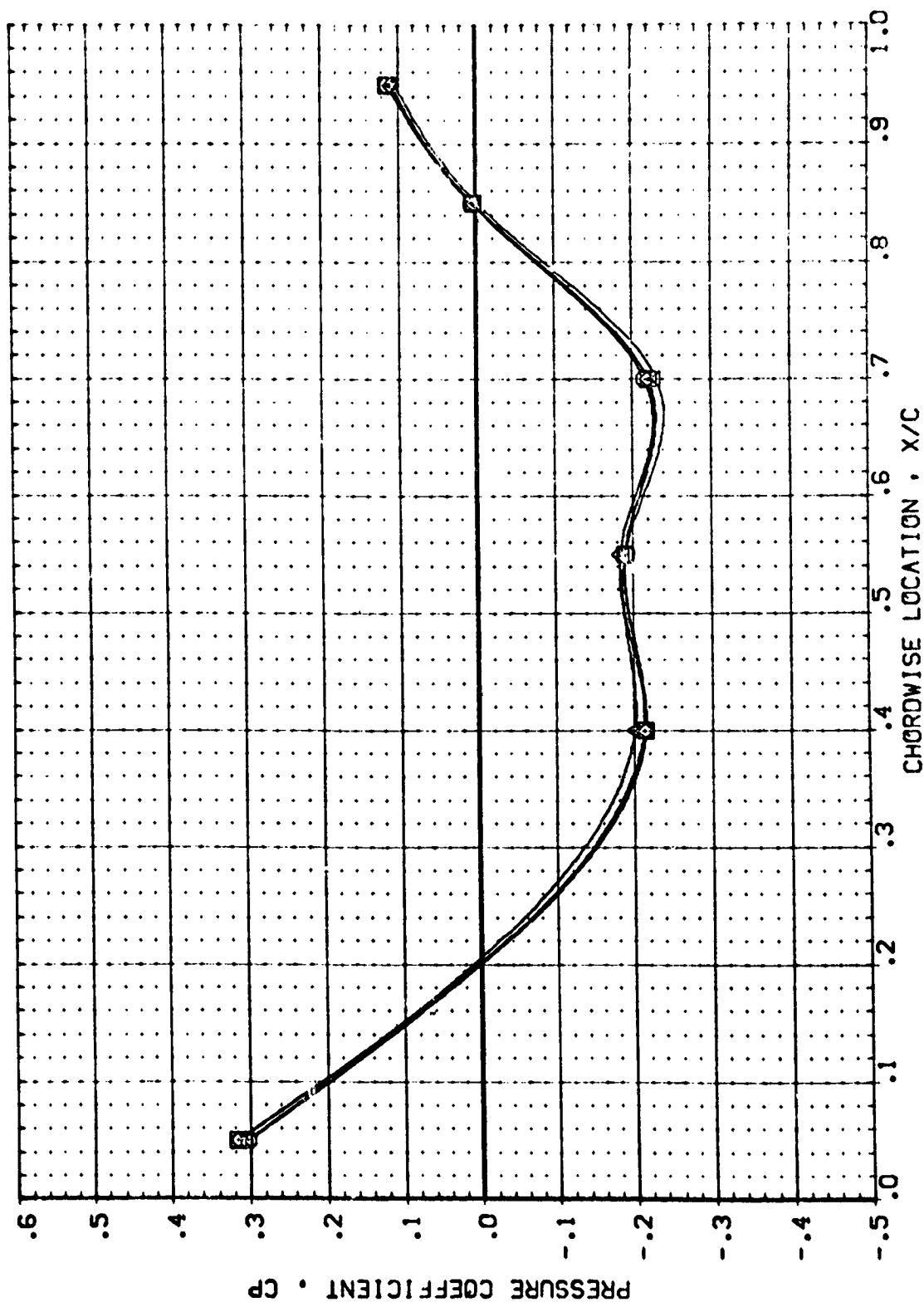
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
RBVT22	ARC 97-71C [A128 01] T1 S1 (TOP VING)
RBVT23	ARC 97-71C [A128 01] T1 S1 (TOP VING)
RBVT28	ARC 97-71C [A128 01] T1 S1 (TOP VING)
RBVT29	ARC 97-71C [A123 01] T1 S1 (TOP VING)



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWMPR	RJDDER
89V122	ARC 97-710 IAI28 O1 T1 S1 (TOP WING)	.000	.433	.469	.000
89V123	ARC 97-710 IAI28 O1 T1 S1 (TOP WING)	1.000	.433	1.050	.000
89V128	ARC 97-710 IAI28 O1 T1 S1 (TOP WING)	1.000	.433	1.790	.000
89V129	ARC 97-710 IAI28 O1 T1 S1 (TOP WING)	1.000	.433	1.790	.000

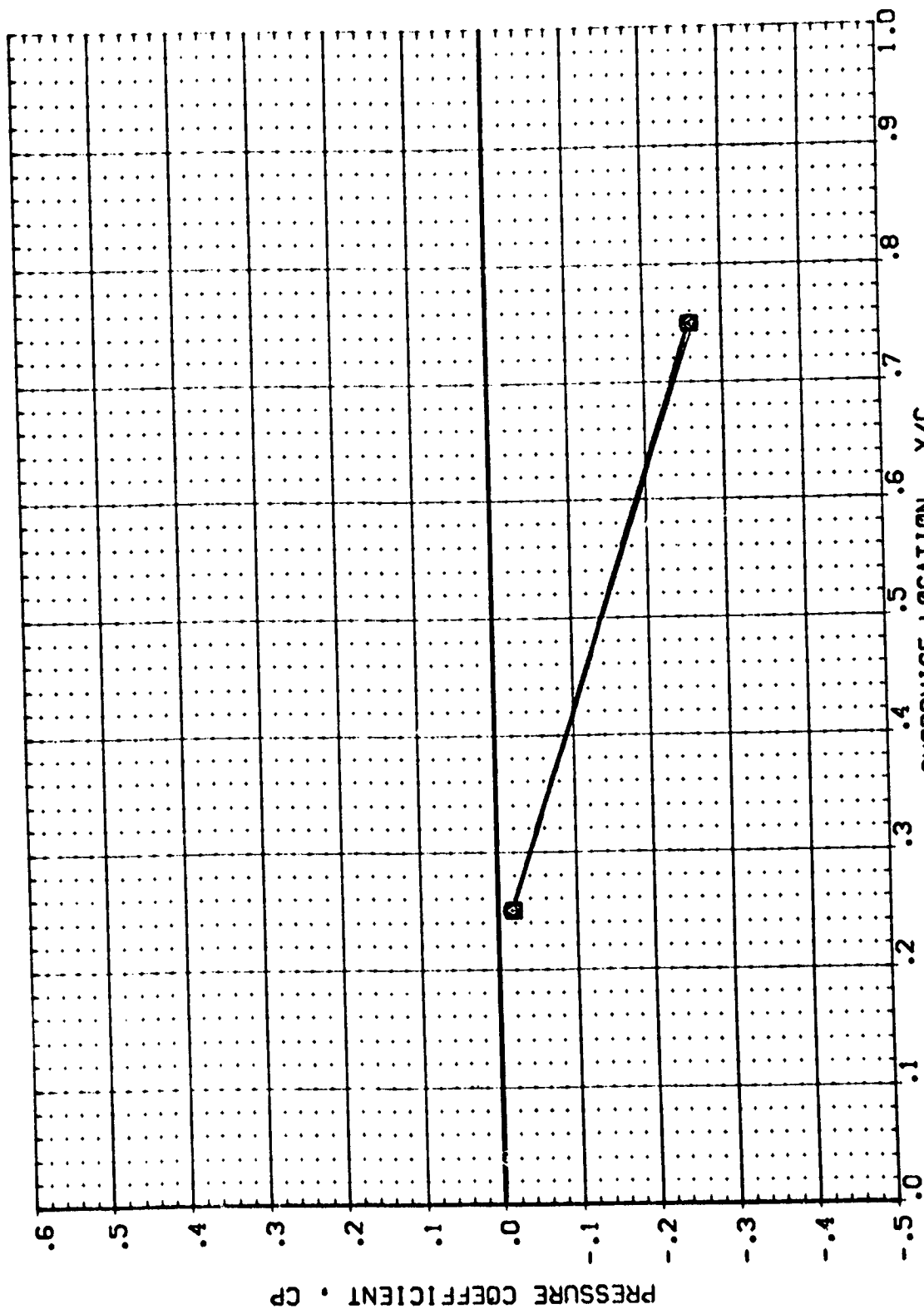


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER OPR SRMPR RUDDER

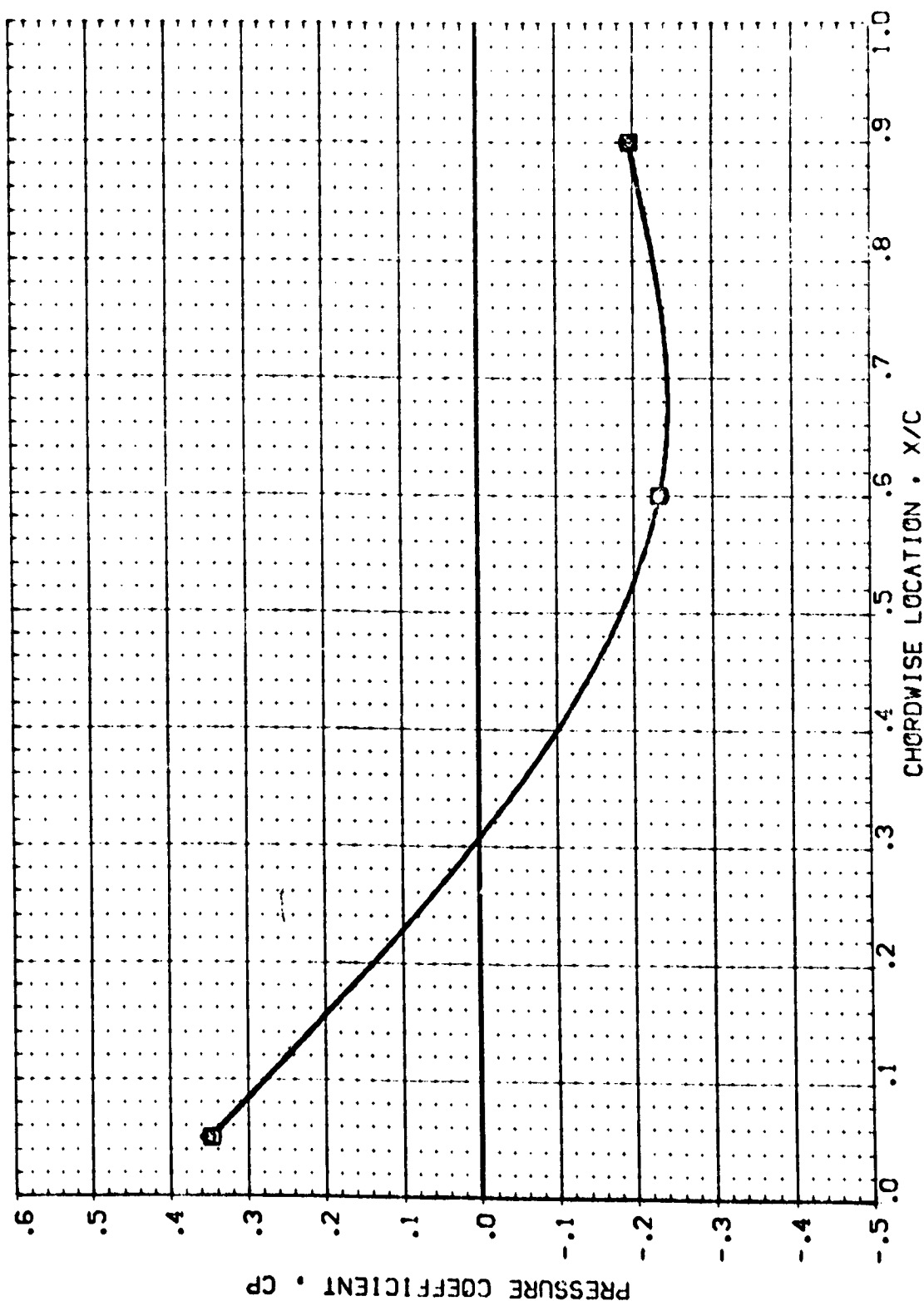
RBV122 ARC 97-710 A128 O1 11 S1 (TOP VING) 11
 RBV123 ARC 97-710 A128 O1 11 S1 (TOP VING) 11
 RBV128 ARC 97-710 A128 O1 11 S1 (TOP VING) 11
 RBV129 ARC 97-710 A128 O1 11 S1 (TOP VING) 11



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .780

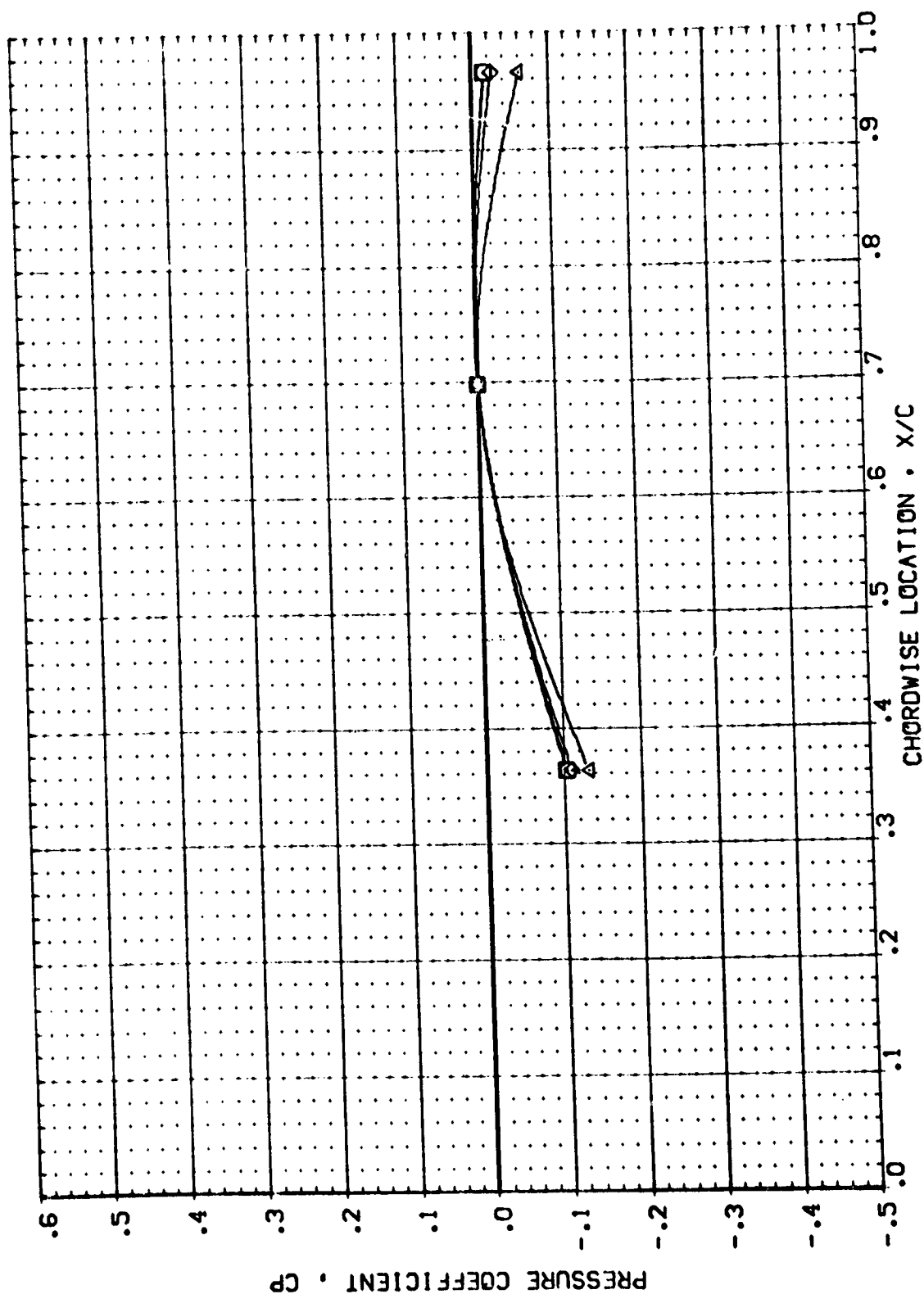
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
RBV122	ARC 97-710 [A128 C1 T1 S1 (TOP WING)]	.000	.433	.469	.000
RBV123	ARC 97-710 [A128 C1 T1 S1 (TOP WING)]	.000	.433	1.050	.000
RBV124	ARC 97-710 [A128 C1 T1 S1 (TOP WING)]	.000	.433	1.790	.000
RBV125	ARC 97-710 [A128 C1 T1 S1 (TOP WING)]	.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .887

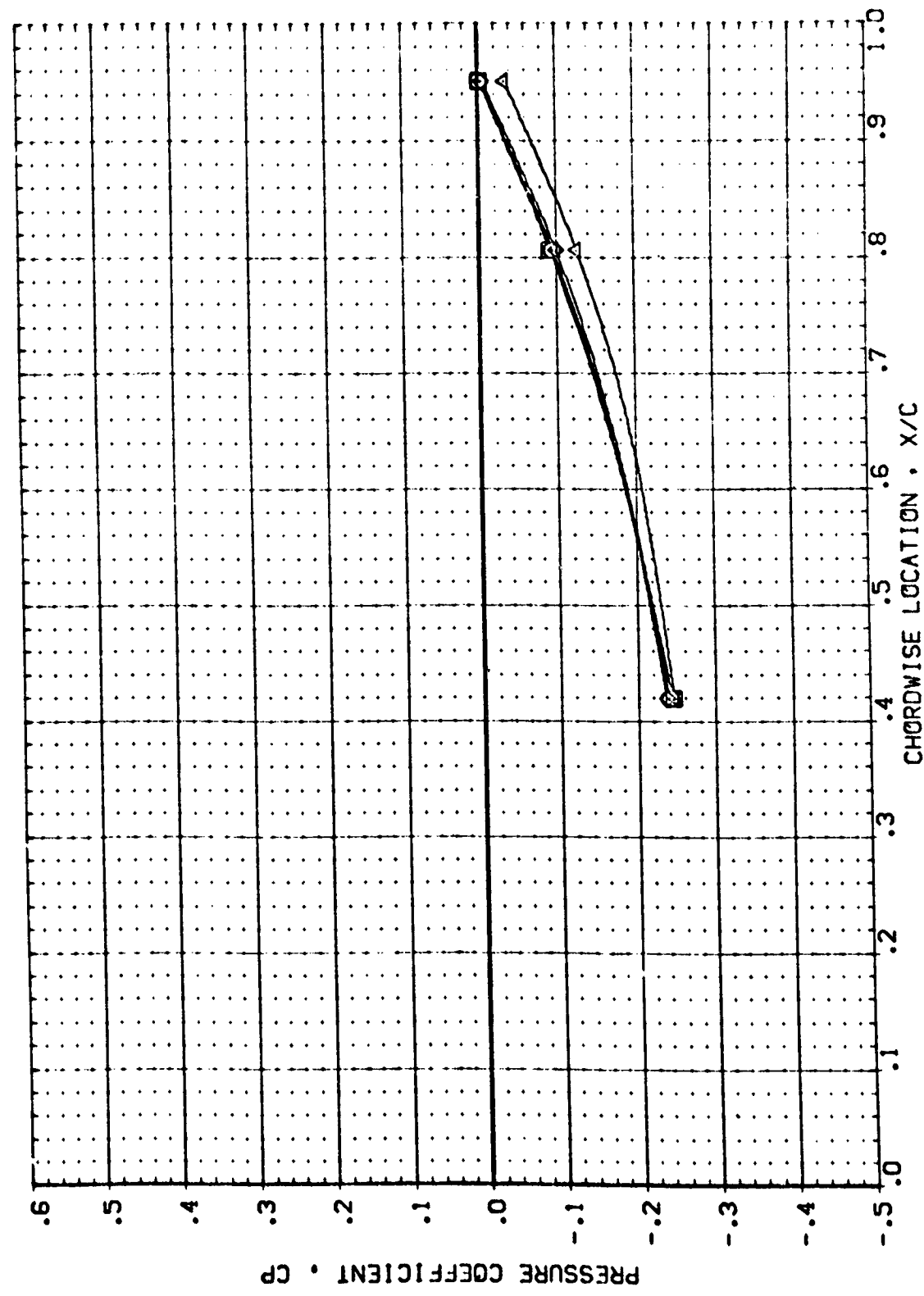
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SPRPR	RUDER
[RBV122]	ARC 97-710 A128 C1 T1 S1 (TOP VING)	.000	.433	.469	.000
[RBV123]	ARC 97-710 A128 C1 T1 S1 (TOP VING)	1.000	.433	.000	.000
[RBV128]	ARC 97-710 A128 C1 T1 S1 (TOP VING)	1.000	.433	.750	.000
[RBV129]	ARC 97-710 A128 C1 T1 S1 (TOP VING)	1.000	.433	.000	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .299

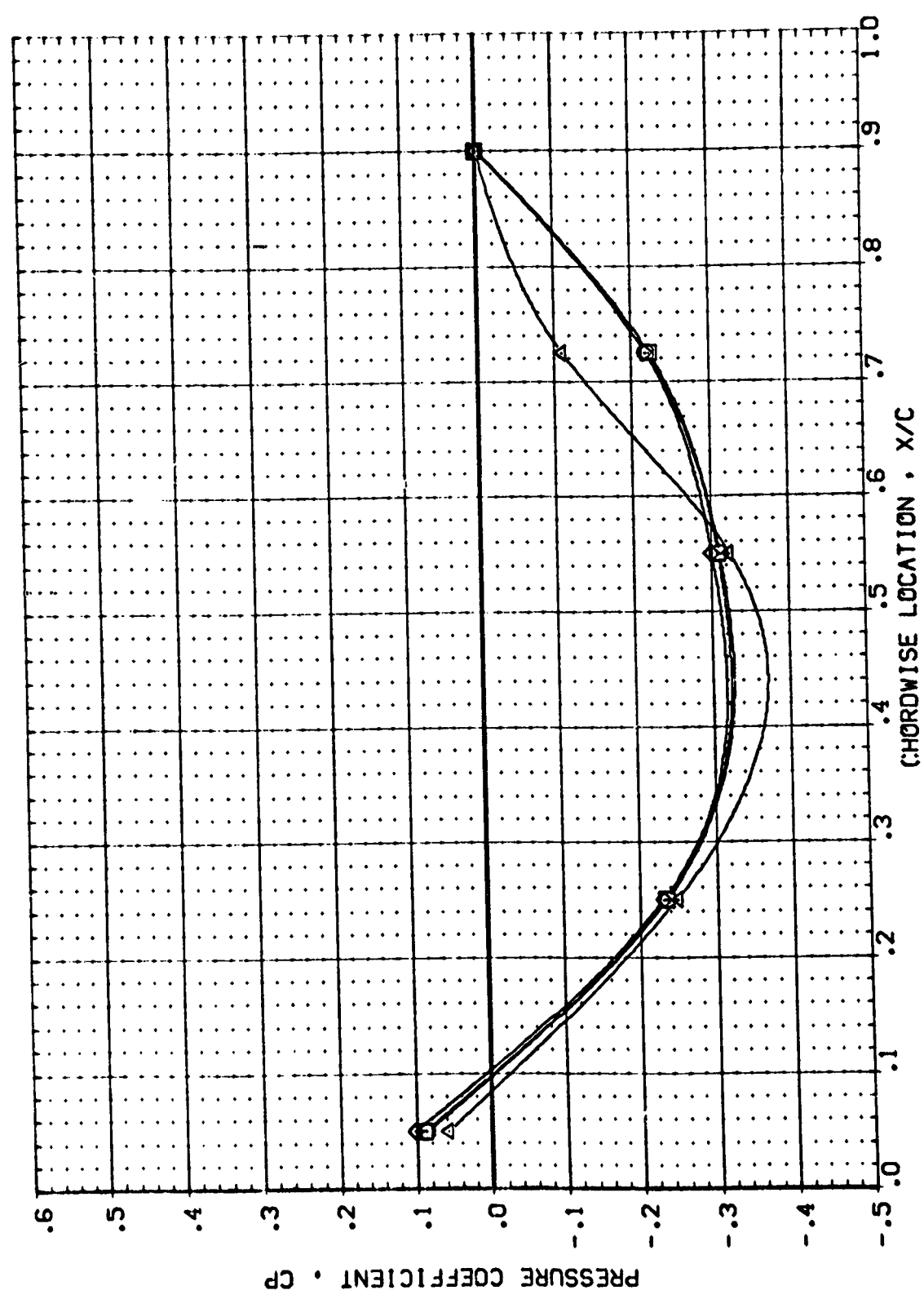
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
[RBVT22]	ARC 97-710 [A]2B 01 T1 S1 (TOP WING)	.000	.433	.469	.000
[RBVT23]	ARC 97-710 [A]2B 01 T1 S1 (TOP WING)	1.000	.433	1.050	.000
[RBVT28]	ARC 97-710 [A]2B 01 T1 S1 (TOP WING)	1.000	.433	1.790	.000
[RBVT29]	ARC 97-710 [A]2B 01 T1 S1 (TOP WING)	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .427

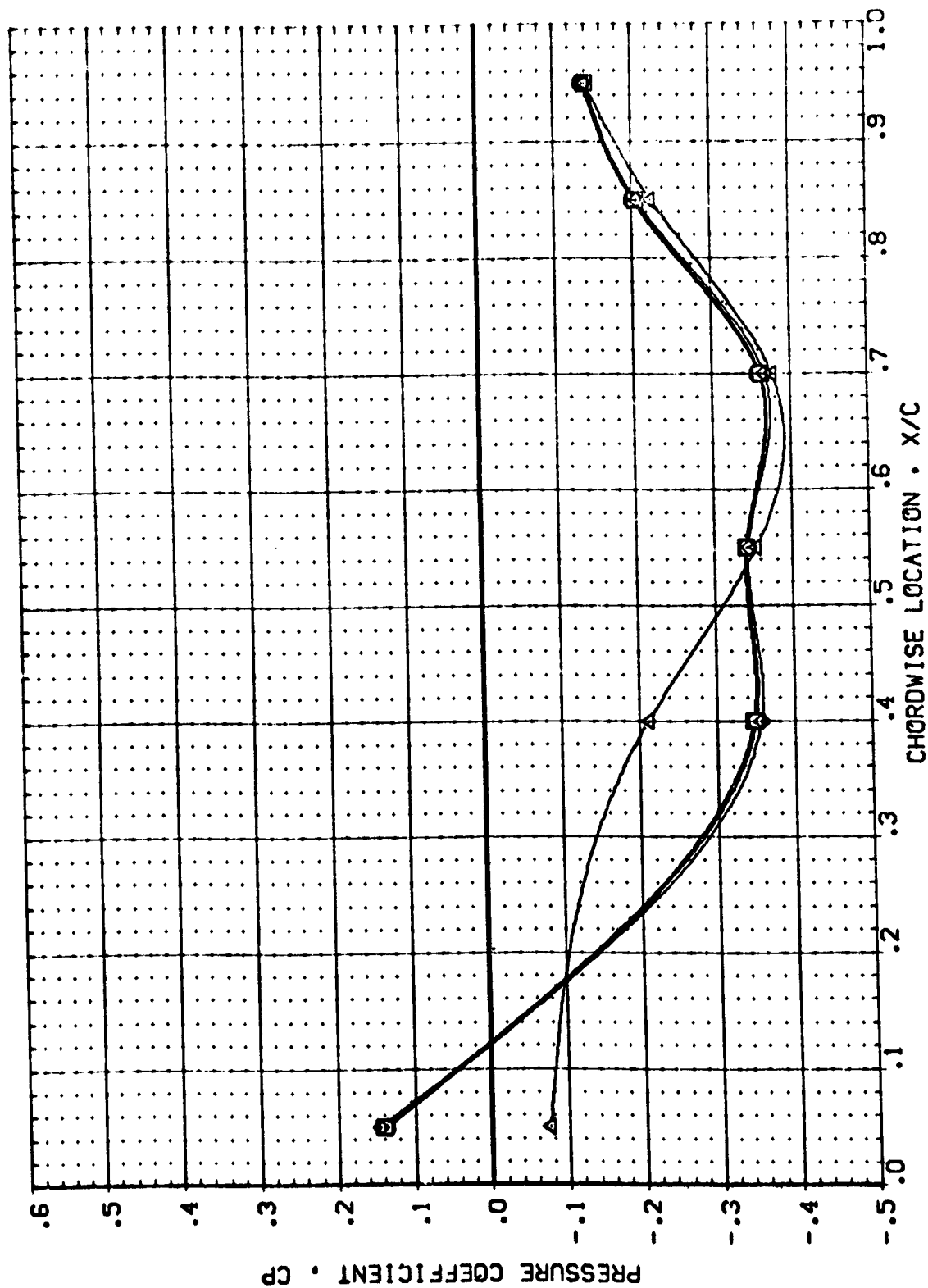
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
97-122	ARC 97-122 [A128 01 T1 S1 (TOP VING)]	.000	.433	.469	.000
97-123	ARC 97-123 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	.000
97-124	ARC 97-124 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.790	.000
97-125	ARC 97-125 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 0.020 ETA = .534

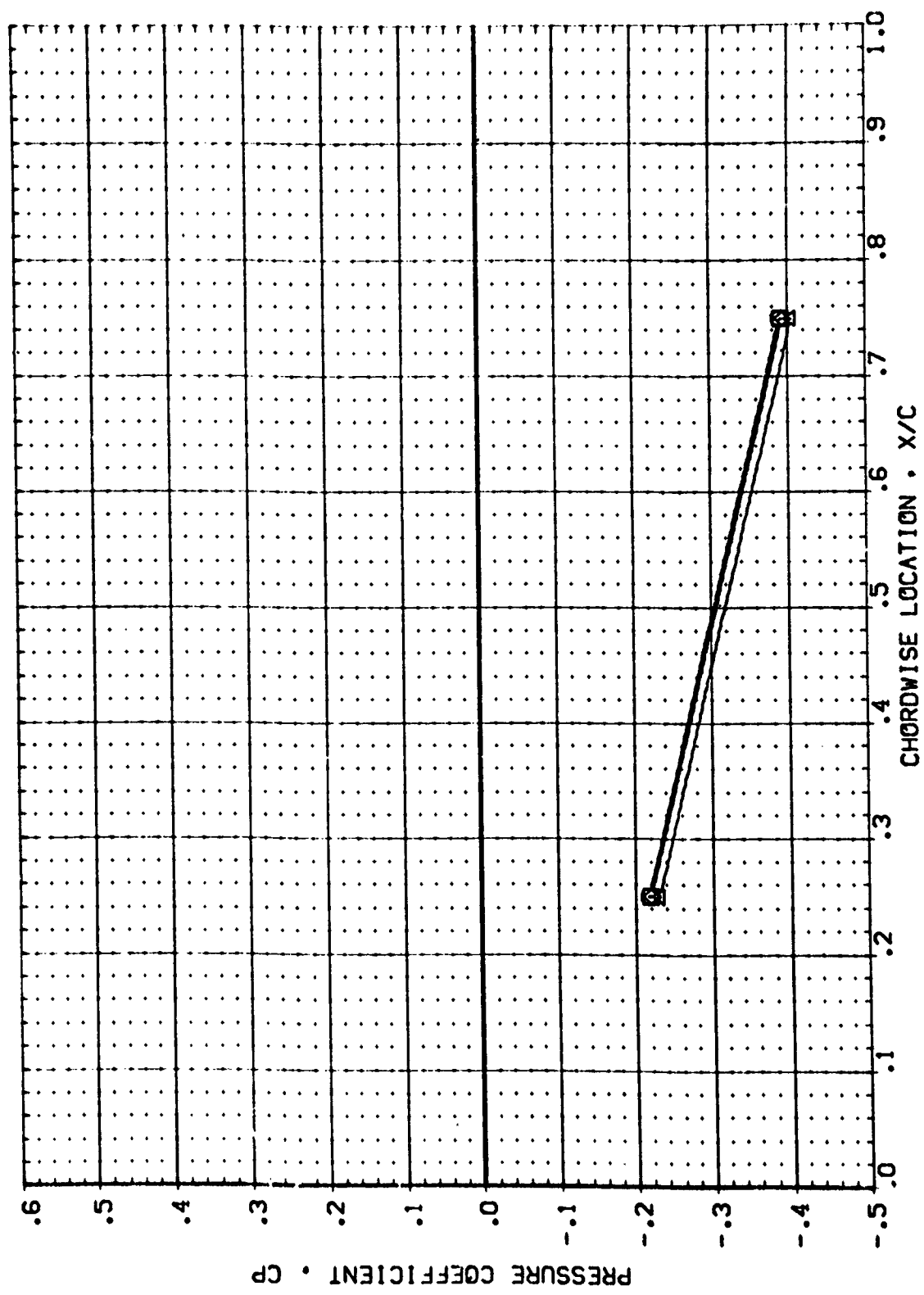
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVT22)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	.000	.433	.469	.000
(RBVT23)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	1.000	.433	1.050	.000
(RBVT28)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	1.000	.433	1.790	.000
(RBVT29)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .673

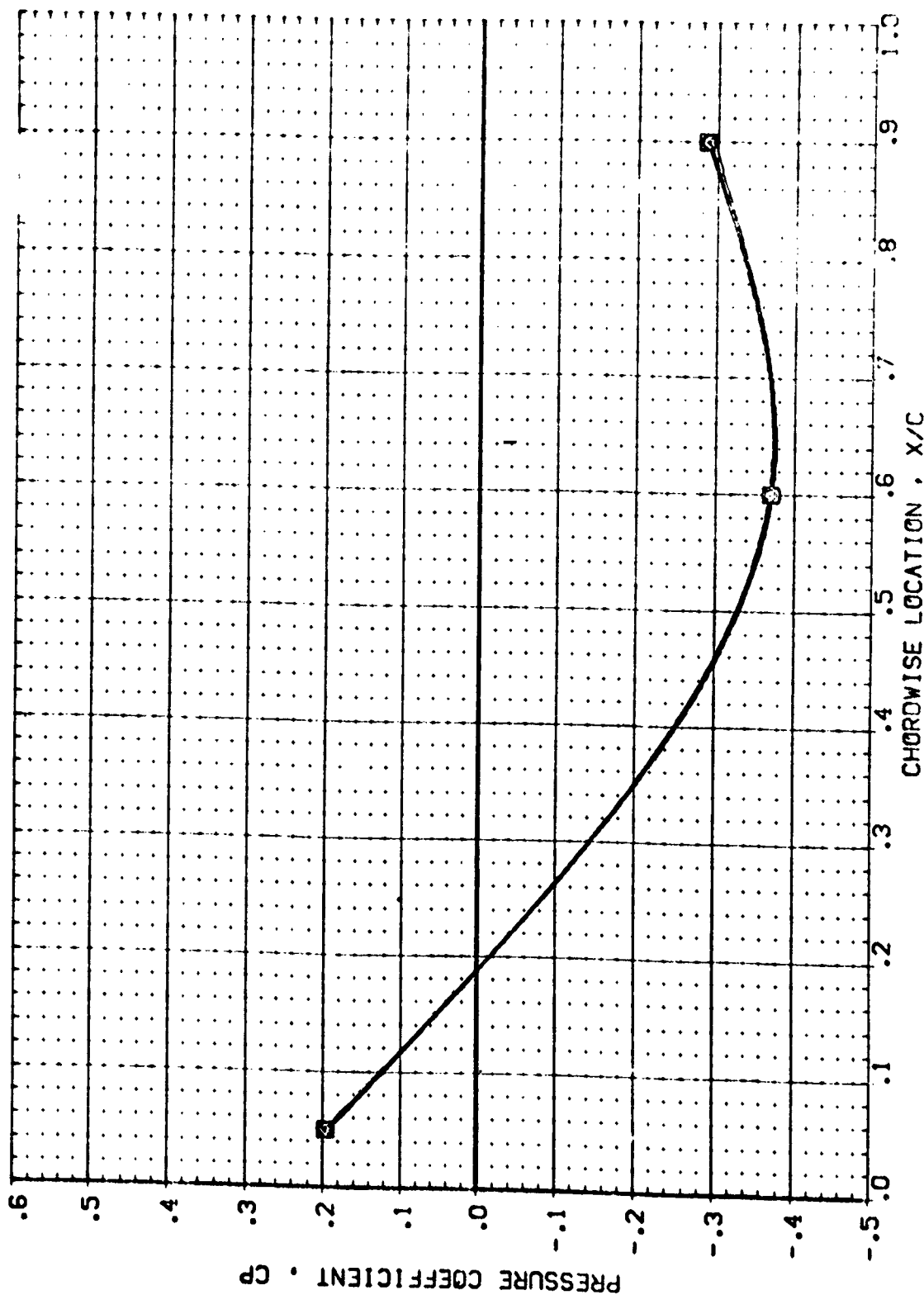
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
RCB122	ARC 97-710 [A] 28 01 T1 S1 (TOP WING)	.000	.433	.469	.000
RCB123	ARC 97-710 [A] 28 01 T1 S1 (TOP WING)	1.000	.433	1.050	.000
RCB128	ARC 97-710 [A] 28 01 T1 S1 (TOP WING)	1.000	.433	1.790	.000
RCB129	ARC 97-710 [A] 28 01 T1 S1 (TOP WING)				



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

11	ARC 97-710	1A:2B	C1	T1	S1	(TOP VING)
11	ARC 97-710	1A:2B	C1	T1	S1	(TOP VING)
11	ARC 97-710	1A:2B	C1	T1	S1	(TOP VING)
11	ARC 97-710	1A:2B	C1	T1	S1	(TOP VING)

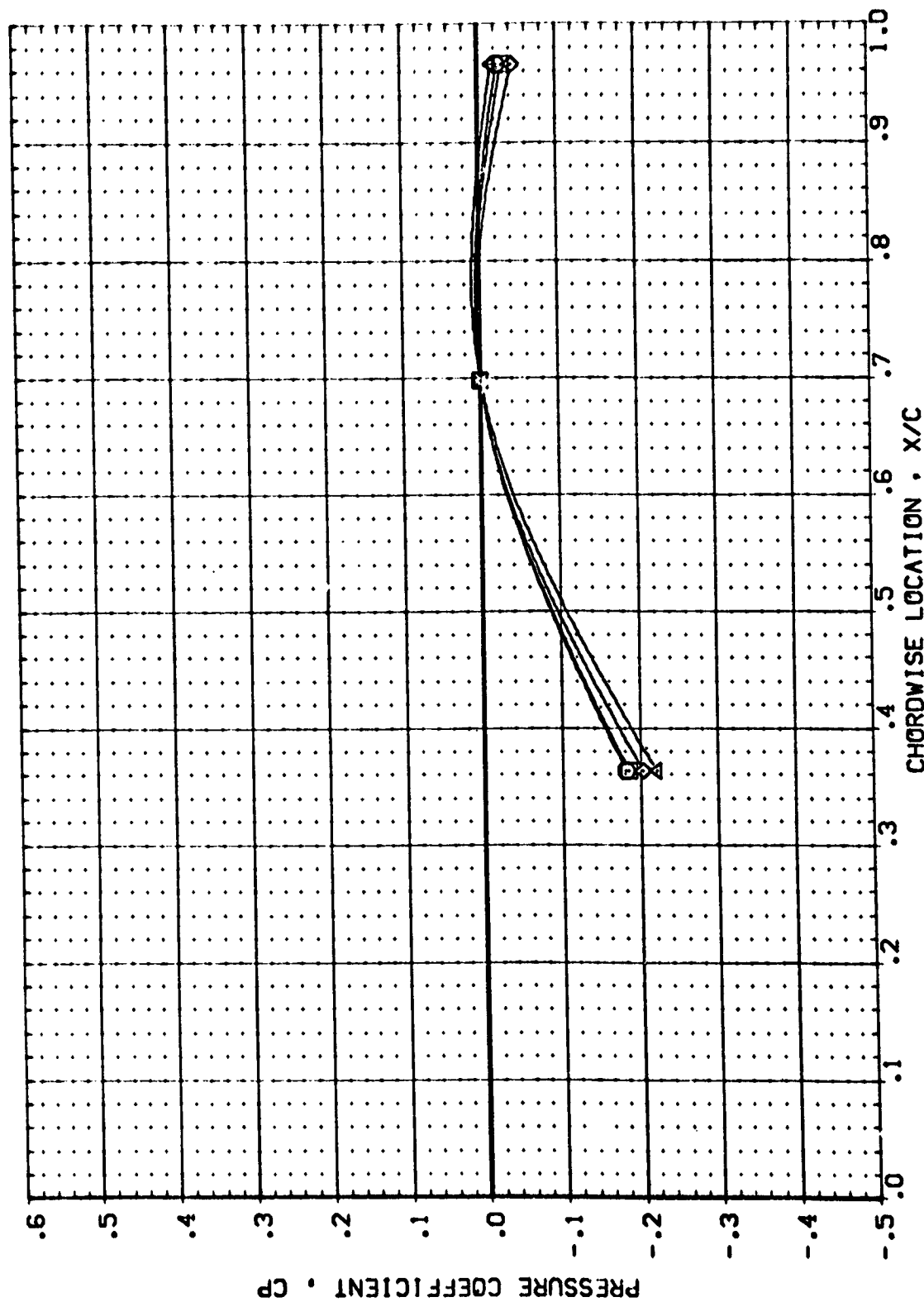
POWER	OPR	SRMPR	RJDDER
.000			.000
1.000	.433	.469	.000
1.000	.433	1.000	.000
1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
[RBVT22]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000	.433	.469	.000
[RBVT23]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	1.050	.000
[RBVT28]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	1.790	.000
[RBVT29]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	1.790	.000



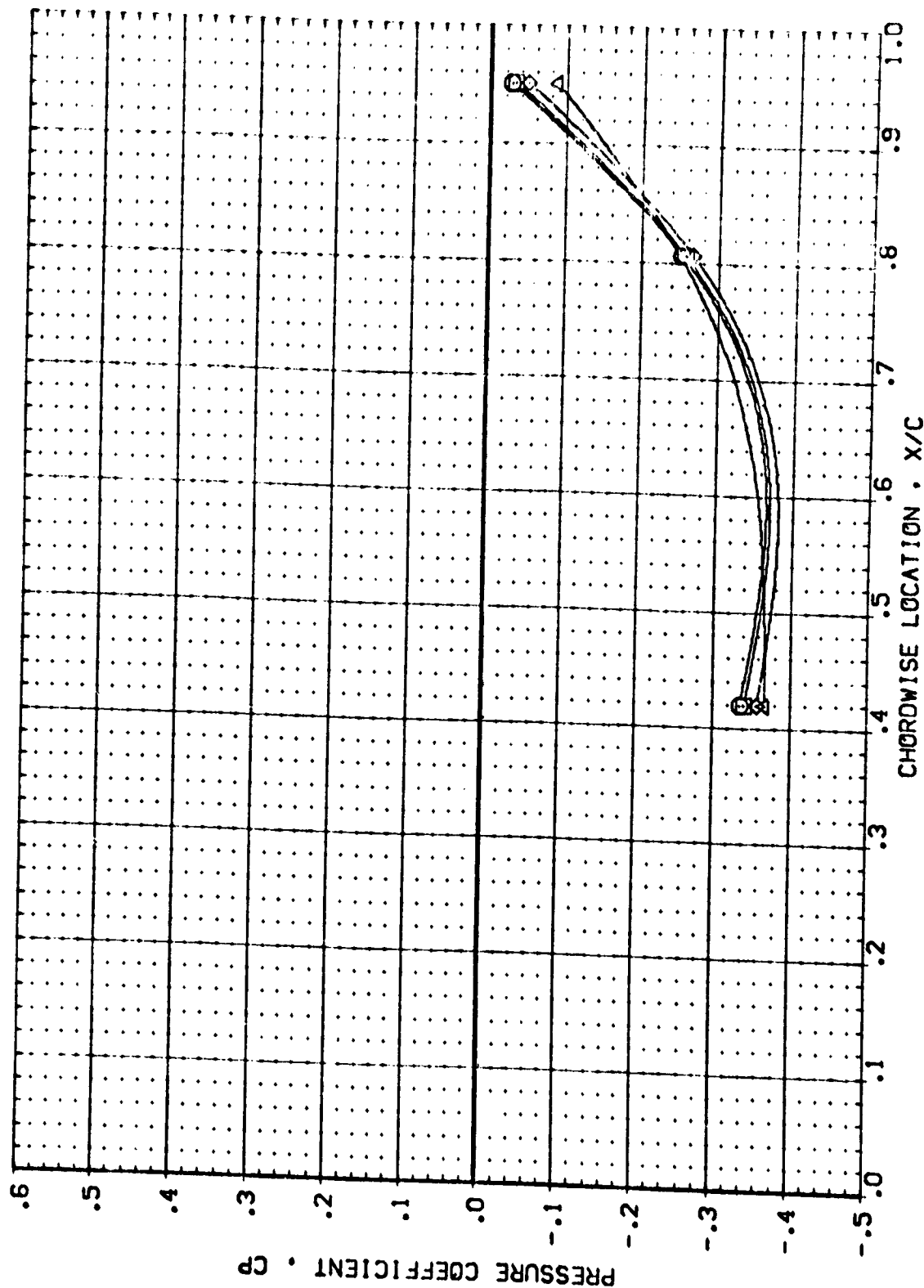
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

Symbol	ARC 97-710	AI 28	CI	TI	SI	(TOP VING)
[RBVT22]						
[RBVT23]						
[RBVT28]						
[RBVT29]						

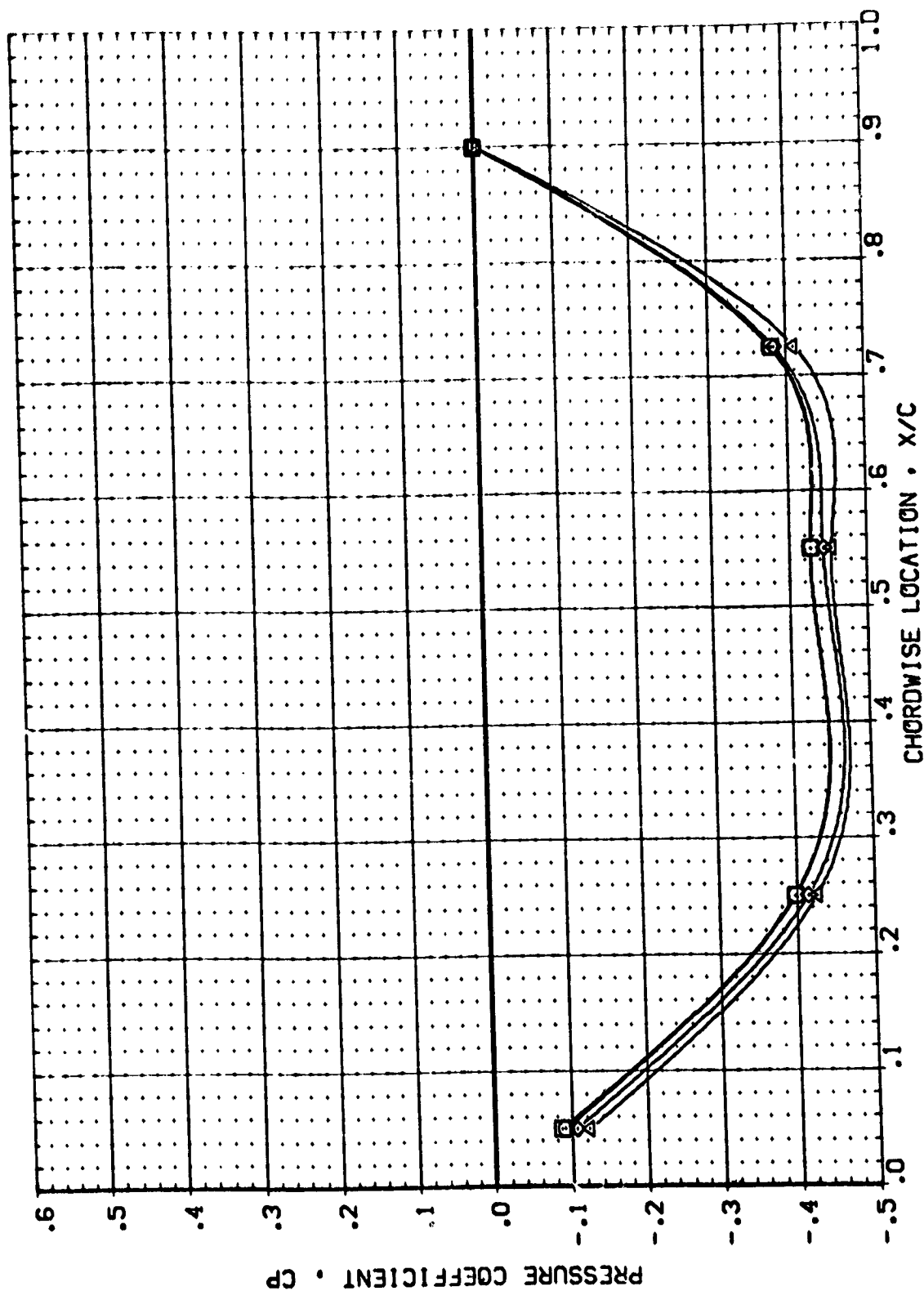
POWER	DPR	SRMPR	RUDDER
.000	.133	.459	.000
1.000	.433	1.050	.000
1.000	.433	1.750	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .427

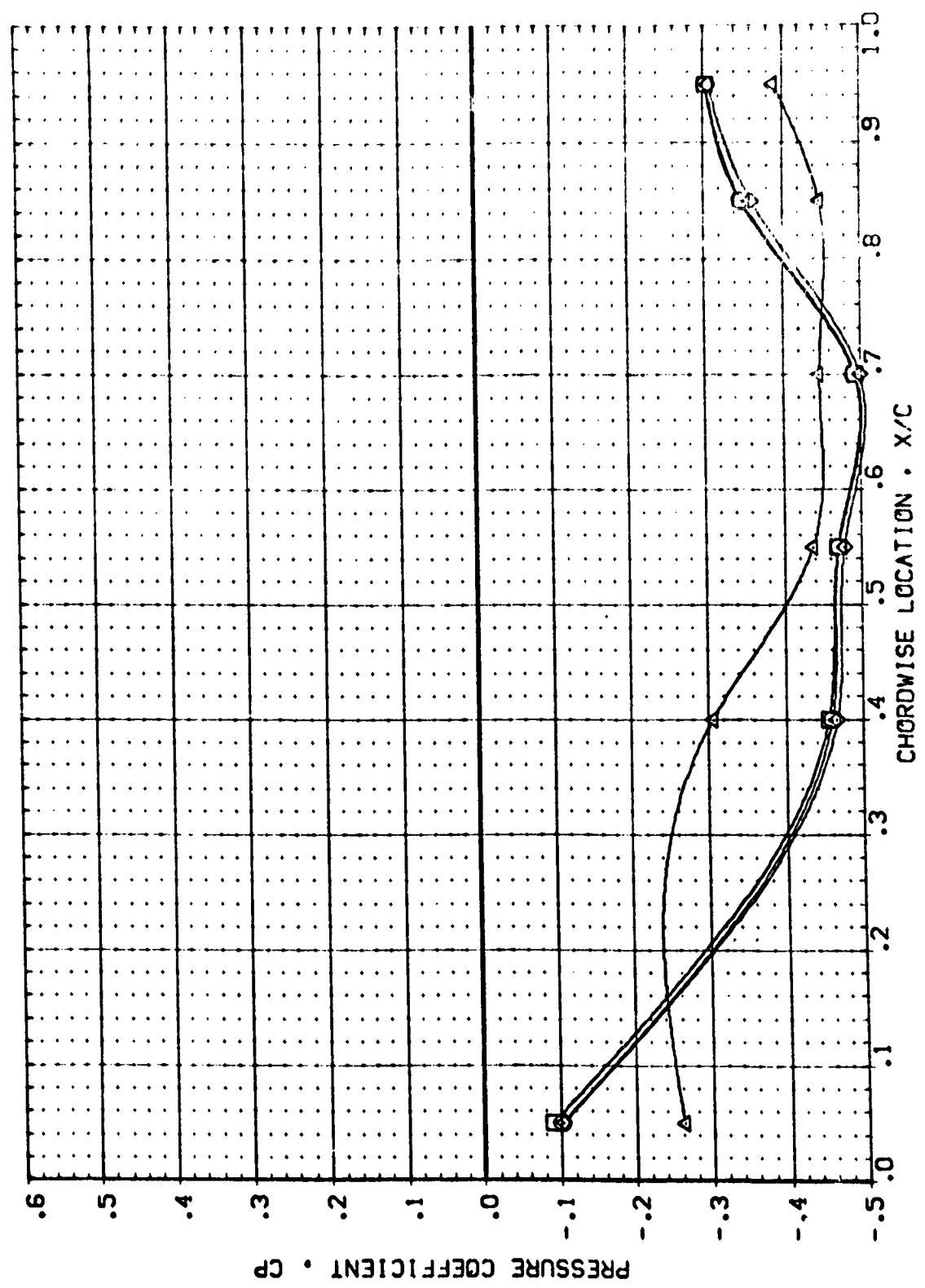
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMR	RUDDER
RBVT22	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.433	.469	.000
RBVT23	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	.000
RBVT26	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.790	.000
RBVT29	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .534

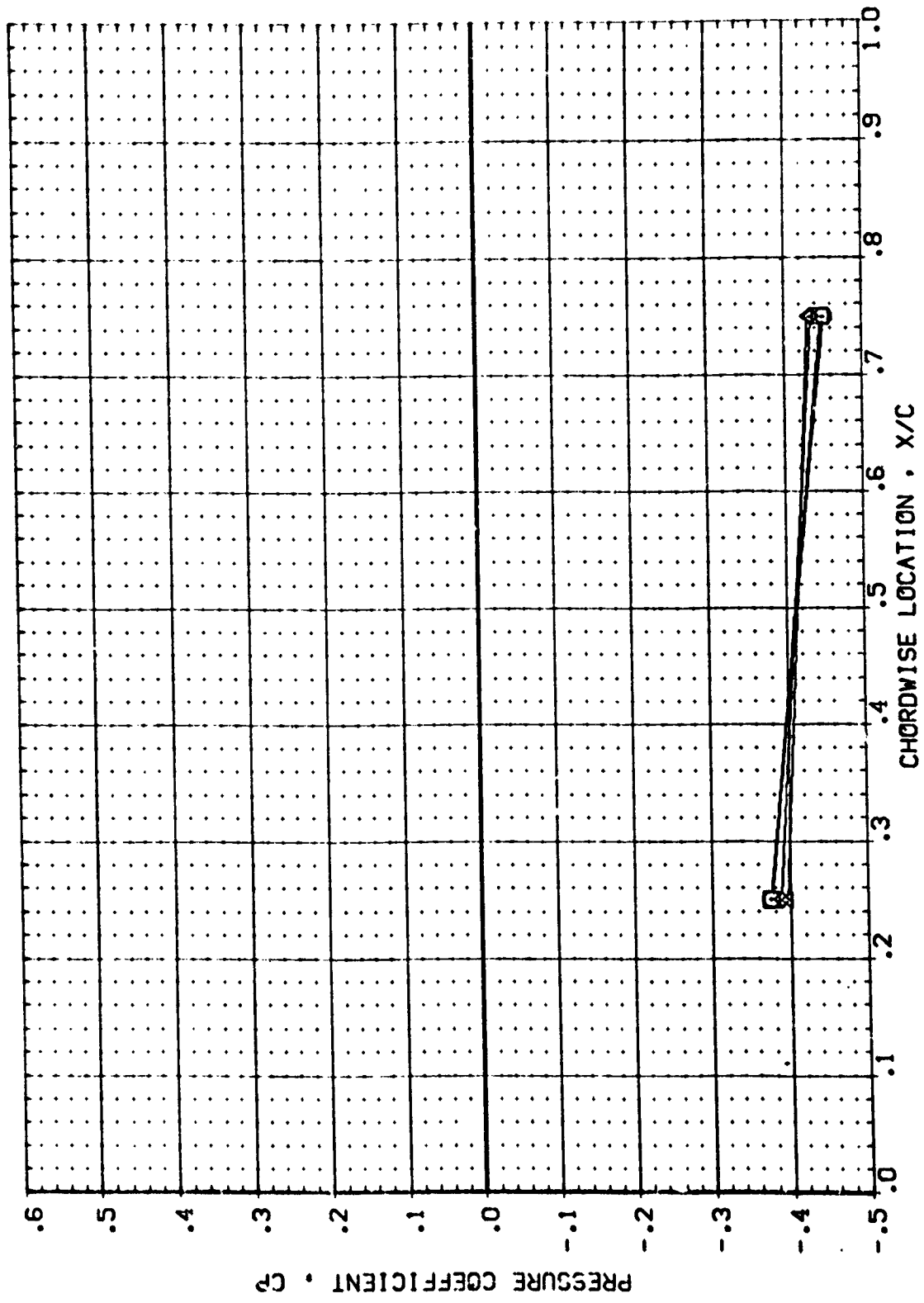
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	R-ODER
[RBVT22]	ARC 97-710 [A128 O1 T1 S1 (TOP WING)]	.000	.433	.469	.000
[RBVT23]	ARC 97-710 [A128 O1 T1 S1 (TOP WING)]	.000	.433	.469	.000
[RBVT28]	ARC 97-710 [A128 O1 T1 S1 (TOP WING)]	.000	.433	.469	.000
[RBVT29]	ARC 97-710 [A128 O1 T1 S1 (TOP WING)]	.000	.433	.469	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

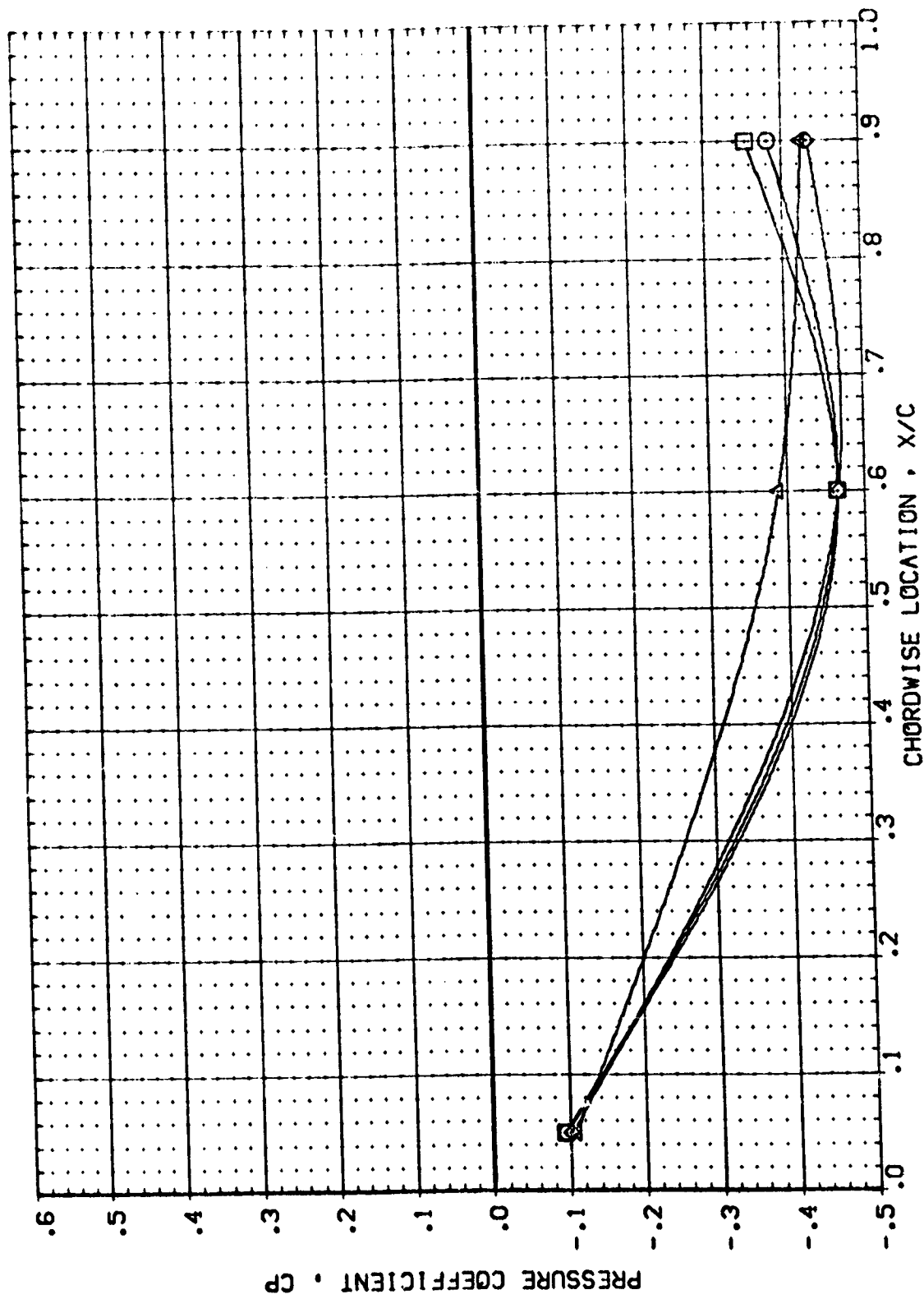
MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
[RBV122]	ARC 97-713 [A128 C1 T1 S1 (TOP VING)]	.000	.433	.469	.000
[RBV123]	ARC 97-713 [A128 C1 T1 S1 (TOP VING)]	1.000	.433	1.050	.000
[RBV128]	ARC 97-713 [A128 C1 T1 S1 (TOP VING)]	1.000	.433	1.790	.000
[RBV129]	ARC 97-713 [A128 C1 T1 S1 (TOP VING)]	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

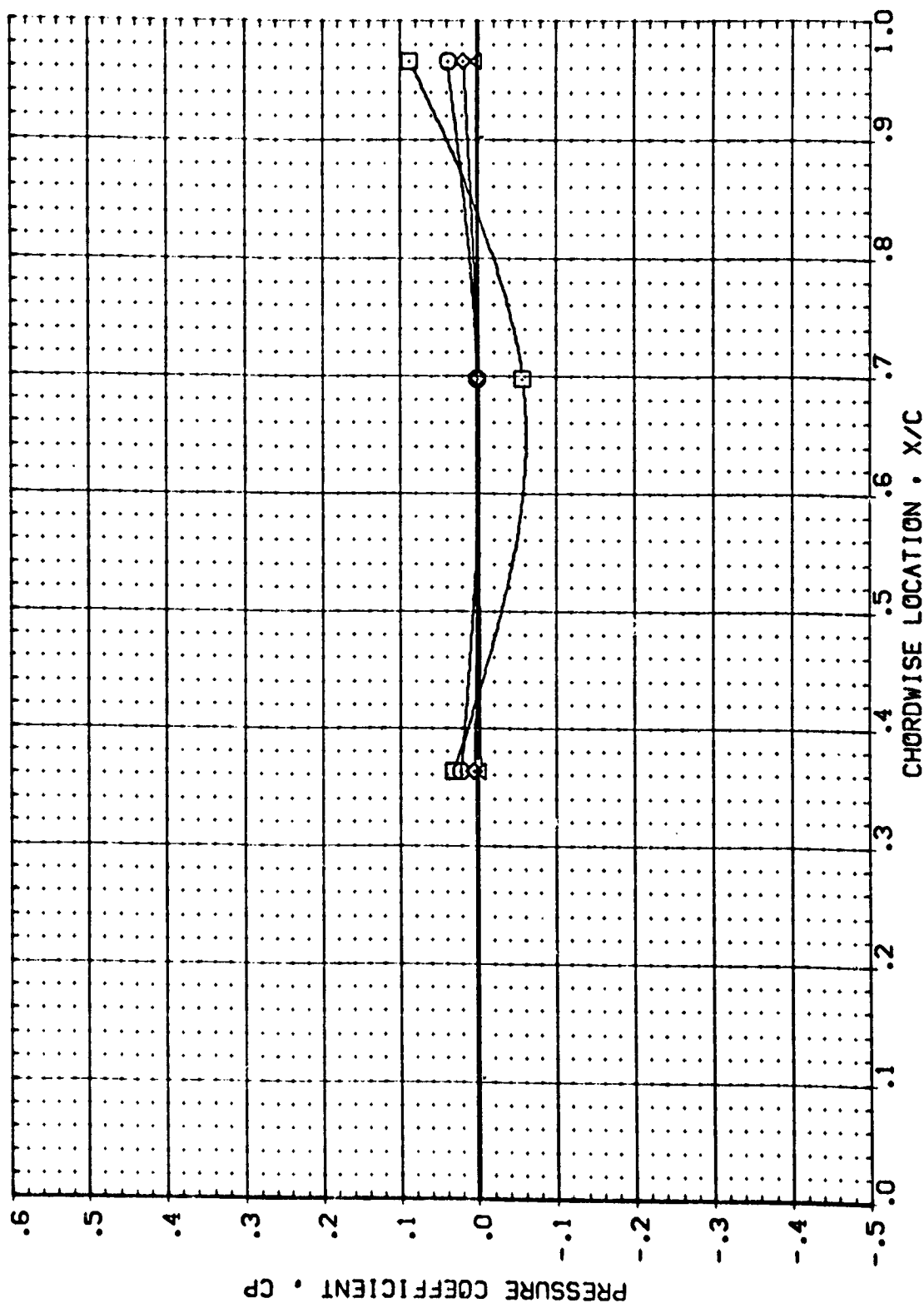
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBV122)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	.000	.433	.469	.000
(RBV123)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.433	1.050	.000
(RBV128)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.433	1.790	.000
(RBV129)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .887

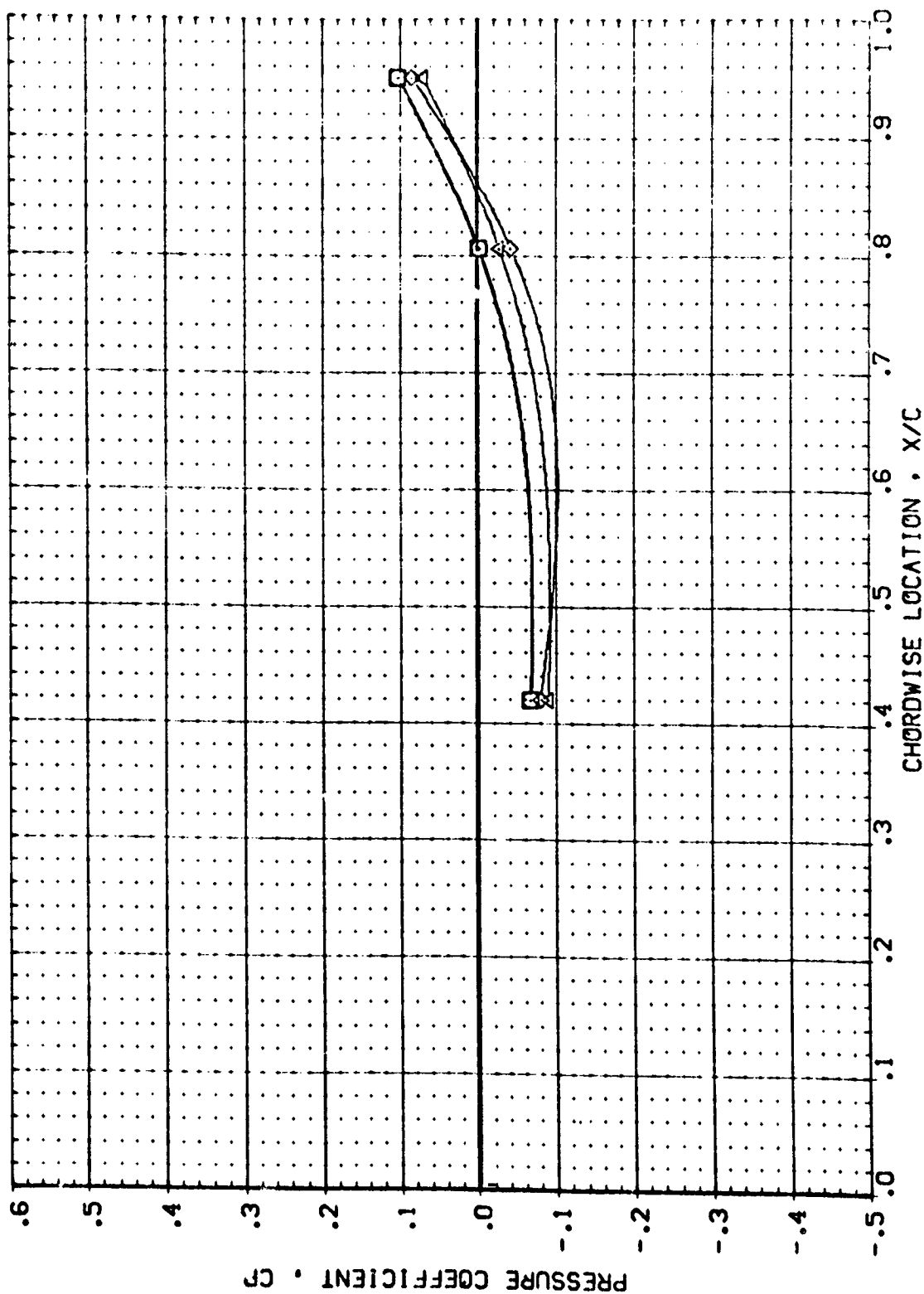
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBV121)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	.000			.000
(RBV129)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	1.000	.409	.557	.000
(RBV131)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	1.000	.409	1.245	.000
(RBV130)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .299

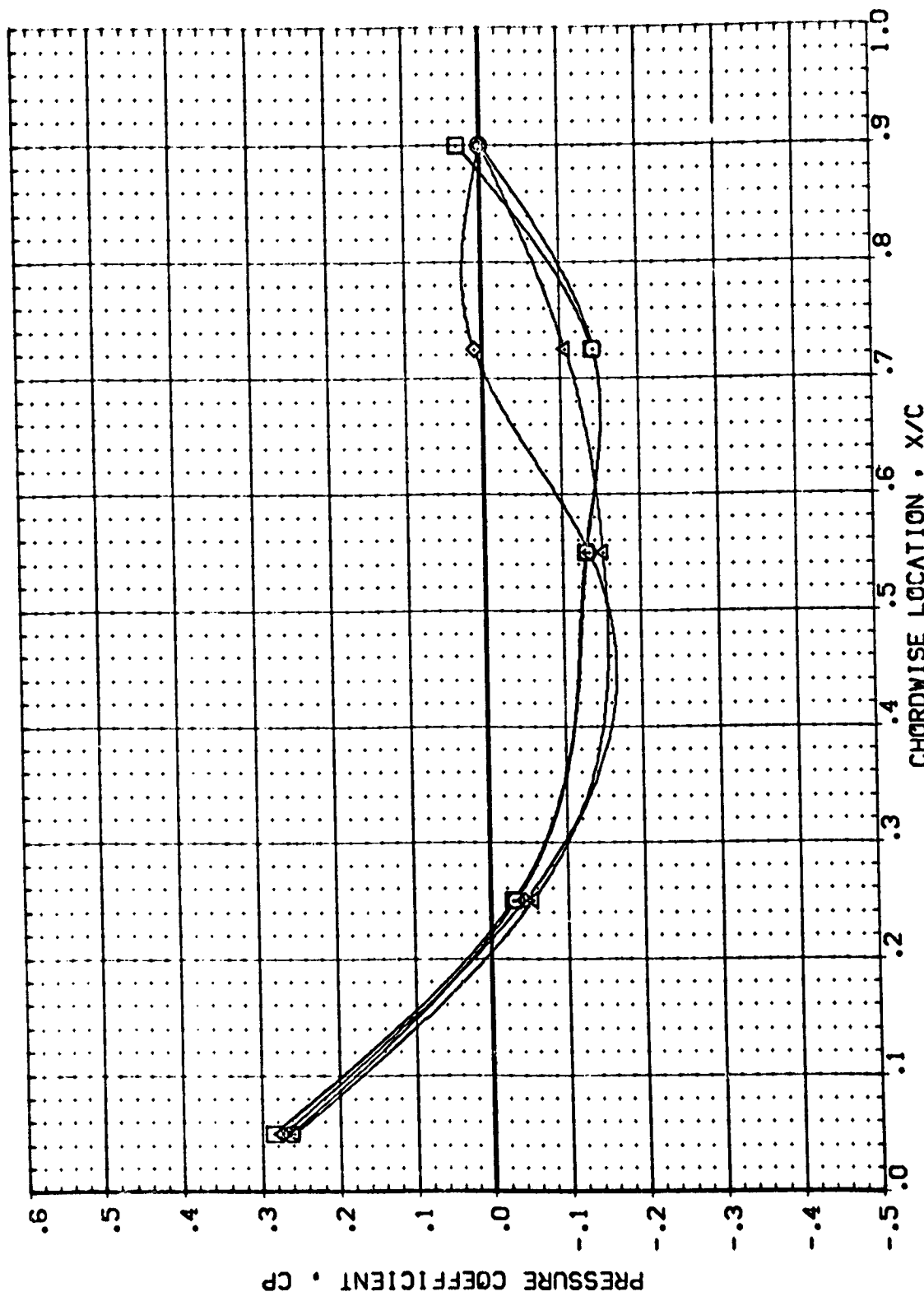
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMR	RJORDER
(RBVT21)	ARC 97-710 IAI28 OI TI SI (TOP WING)	.000	.409	.557	.000
(RBVT29)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	1.245	.000
(RBVT31)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	2.128	.000
(RBVT30)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

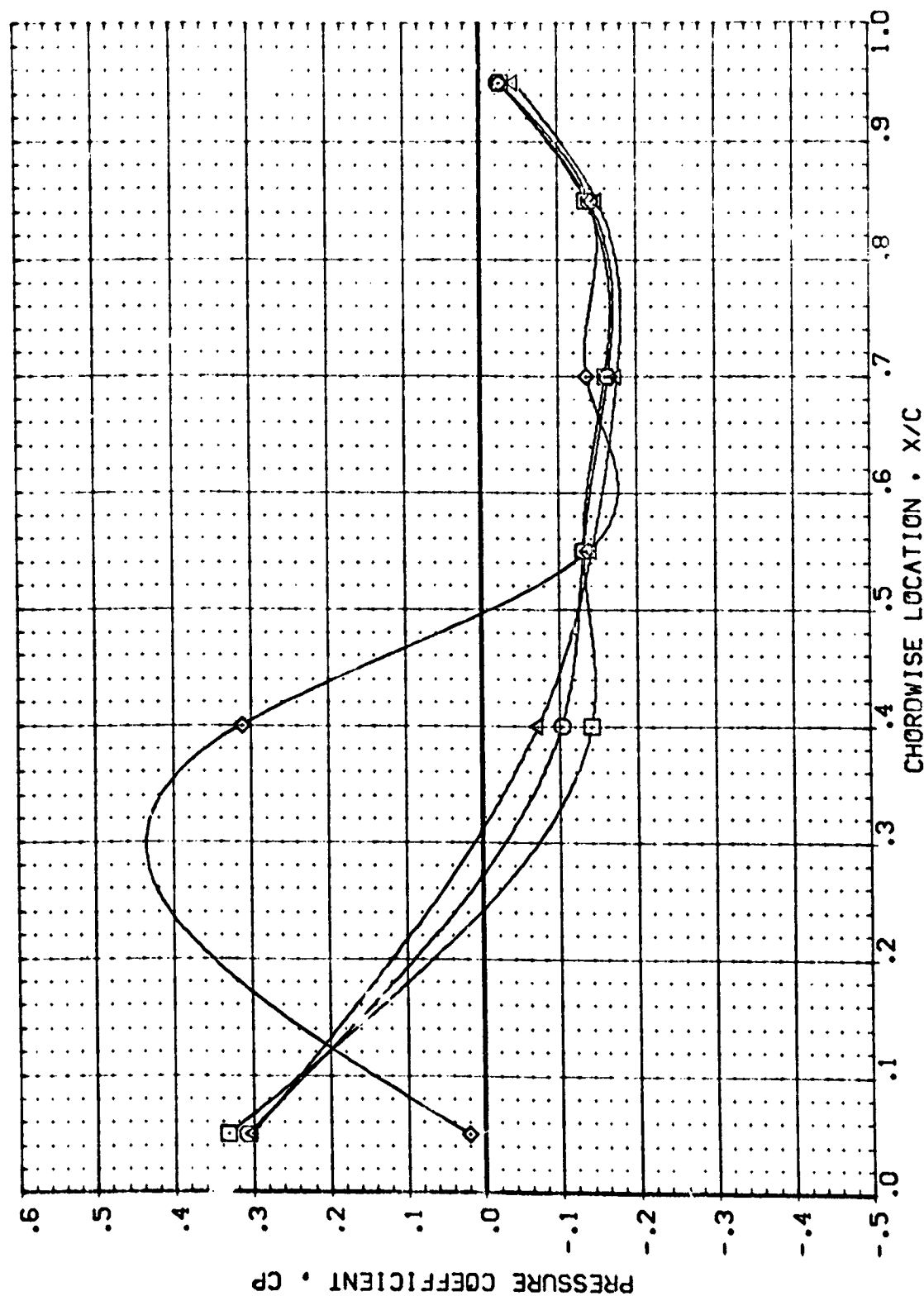
MACH = 2.000 ALPHA = -7.520 ETA = .427

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	POWER	OPR	SRMPR	RUDDER
RBVT21	○	ARC 97-710	[A128 01 T] SI (TOP VING)	.000	.409	.557	.000
RBVT29	□	ARC 97-710	[A128 01 T] SI (TOP VING)	1.000	.409	1.245	.000
RBVT31	×	ARC 97-710	[A128 01 T] SI (TOP VING)	1.000	.409	2.128	.000
RBVT30	○	ARC 97-710	[A128 01 T] SI (TOP VING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

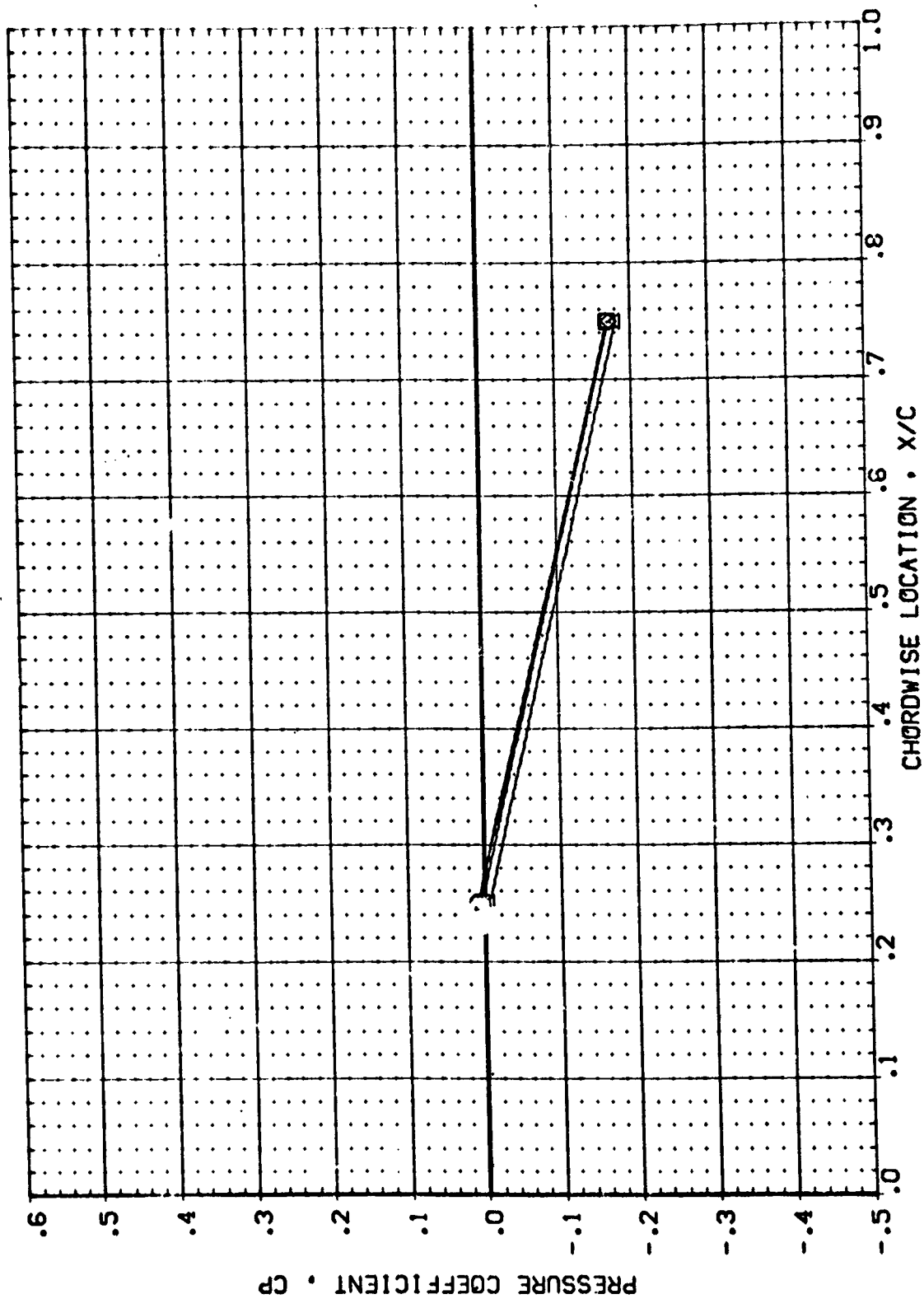
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNRPR	RUDDER
(RBV121)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.409	.557	.000
(RBV129)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	1.245	.000
(RBV130)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .673

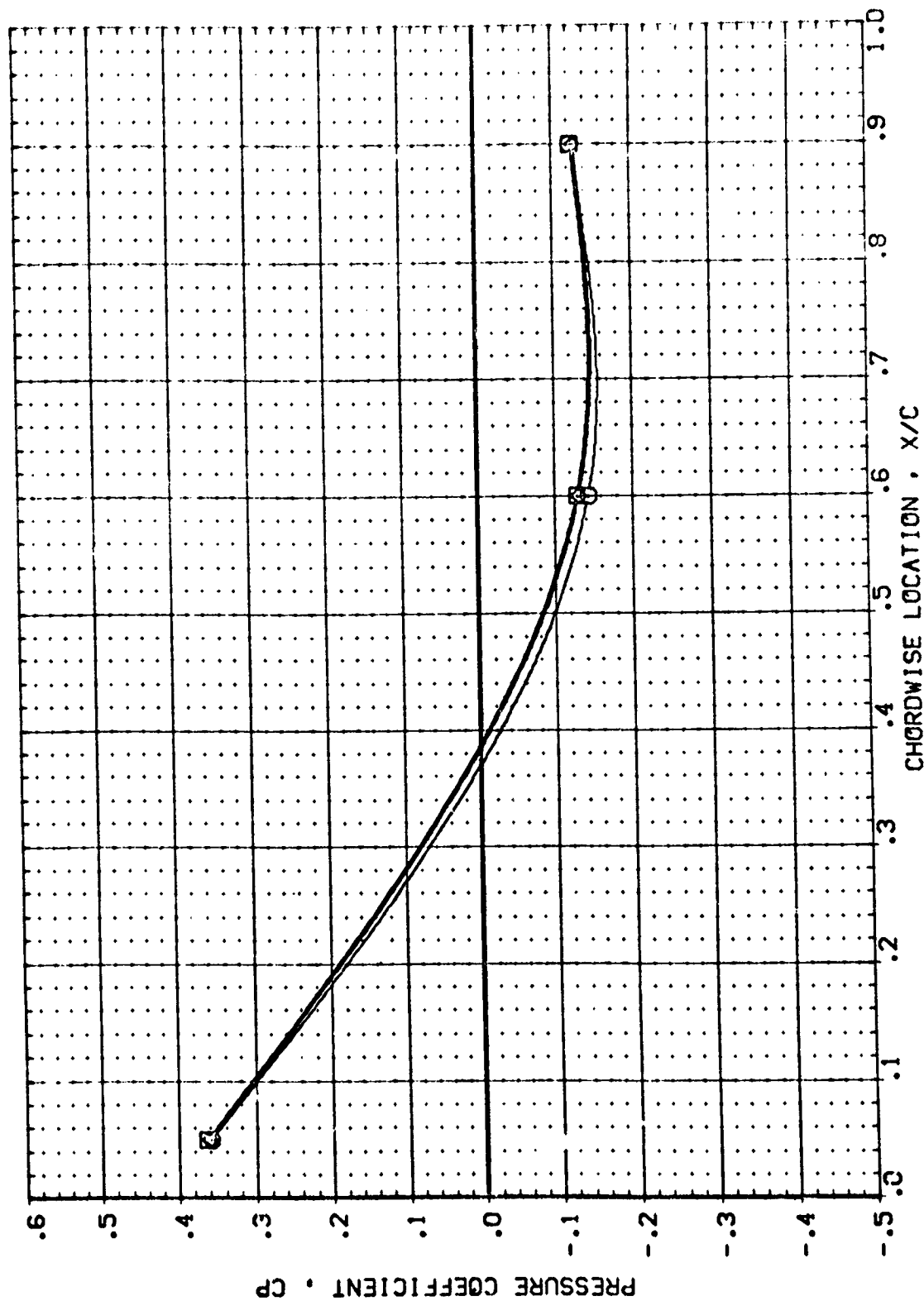
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POVER	OPR	SRMPR	RUDDER
[RBVT21]	ARC 97-710 1A128 01 T1 S1 (TOP WING)	.000	.409	.557	.000
[RBVT29]	ARC 97-710 1A128 01 T1 S1 (TOP WING)	1.000	.409	1.245	.000
[RBVT31]	ARC 97-710 1A128 01 T1 S1 (TOP WING)	1.000	.409	2.128	.000
[RBVT33]	ARC 97-710 1A128 01 T1 S1 (TOP WING)	1.000	.409		



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .780

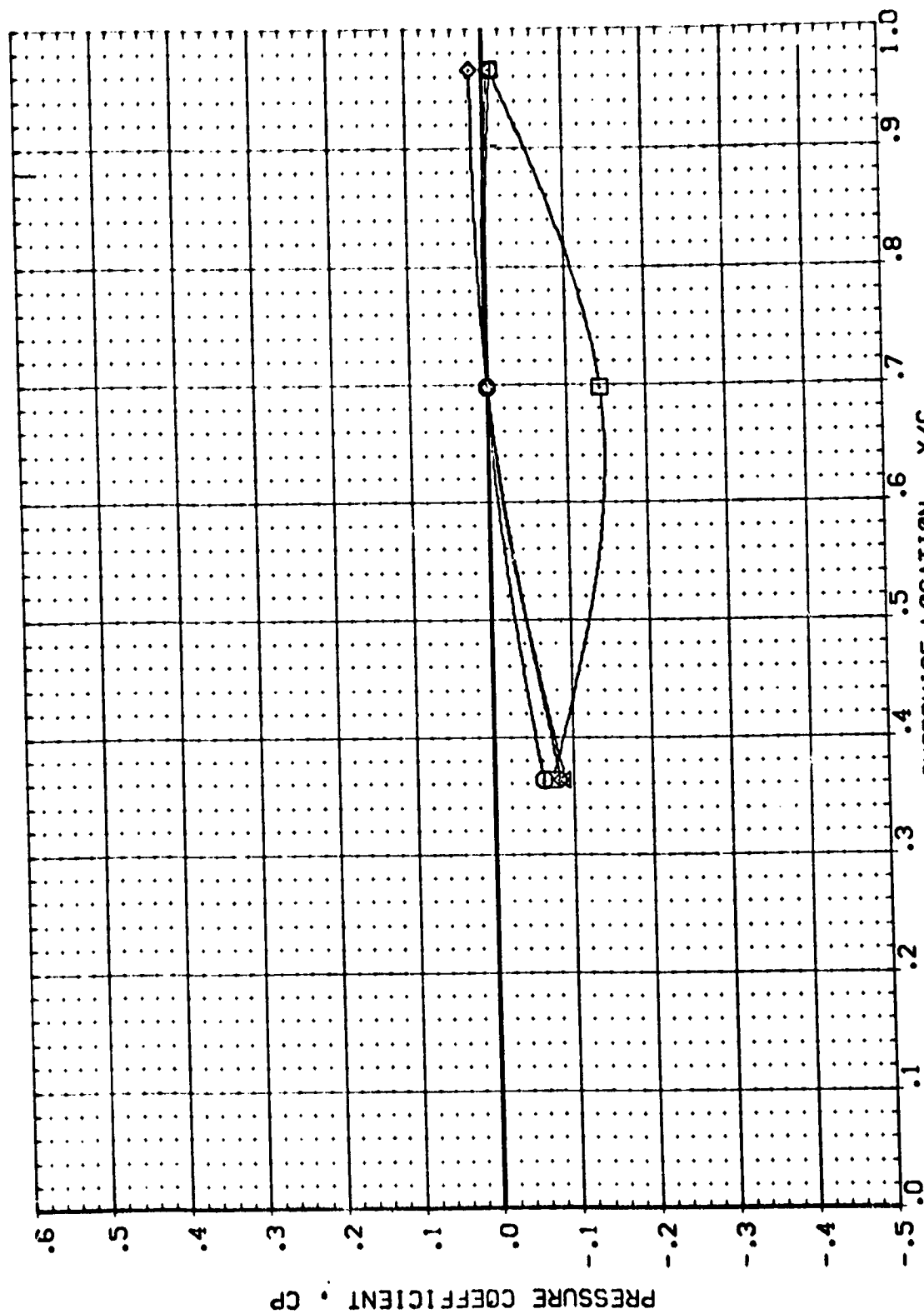
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVT21)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.409	.557	.000
(RBVT09)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.245	.000
(RBVT31)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	.000
(RBVT30)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .887

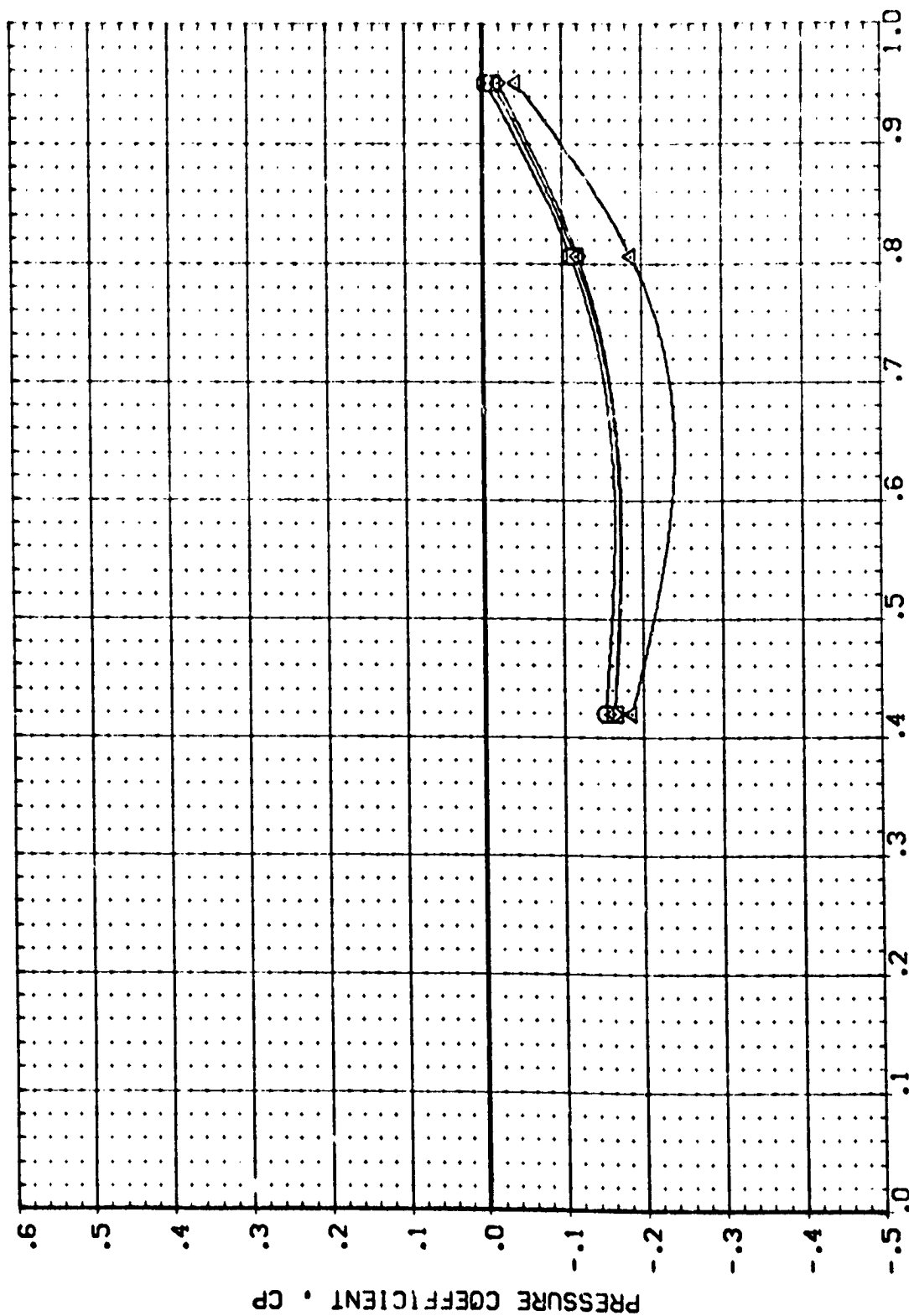
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBN121)	ARC 97-710 (A128 01 T) S1 (TOP VING)	.000	.409	.557	.000
(RBN129)	ARC 97-710 (A128 01 T) S1 (TOP VING)	1.000	.409	1.245	.000
(RBN130)	ARC 97-710 (A128 01 T) S1 (TOP VING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SWPR	RJDER
(RVT21)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.409	.557	.000
(RVT09)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.245	.000
(RVT31)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	.000
(RVT30)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	.000



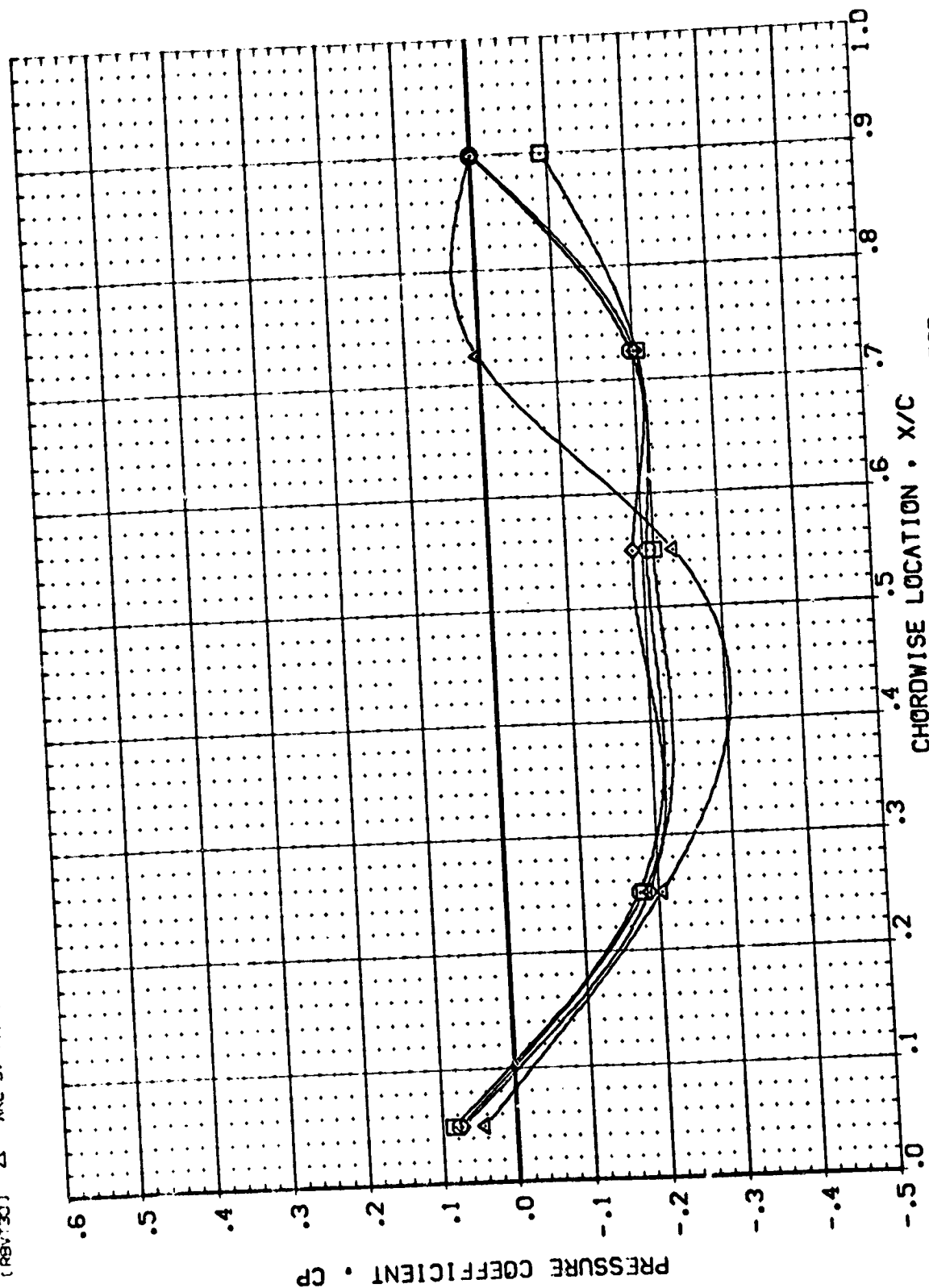
CHORDWISE LOCATION : X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .427

POWER	DPR	SRMPR	RUDDER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
ARC 97-710	AI128 OI T1 S1 (TOP VING)
ARC 97-710	AI128 OI T1 S1 (TOP VING)
ARC 97-710	AI128 OI T1 S1 (TOP VING)
ARC 97-710	AI128 OI T1 S1 (TOP VING)

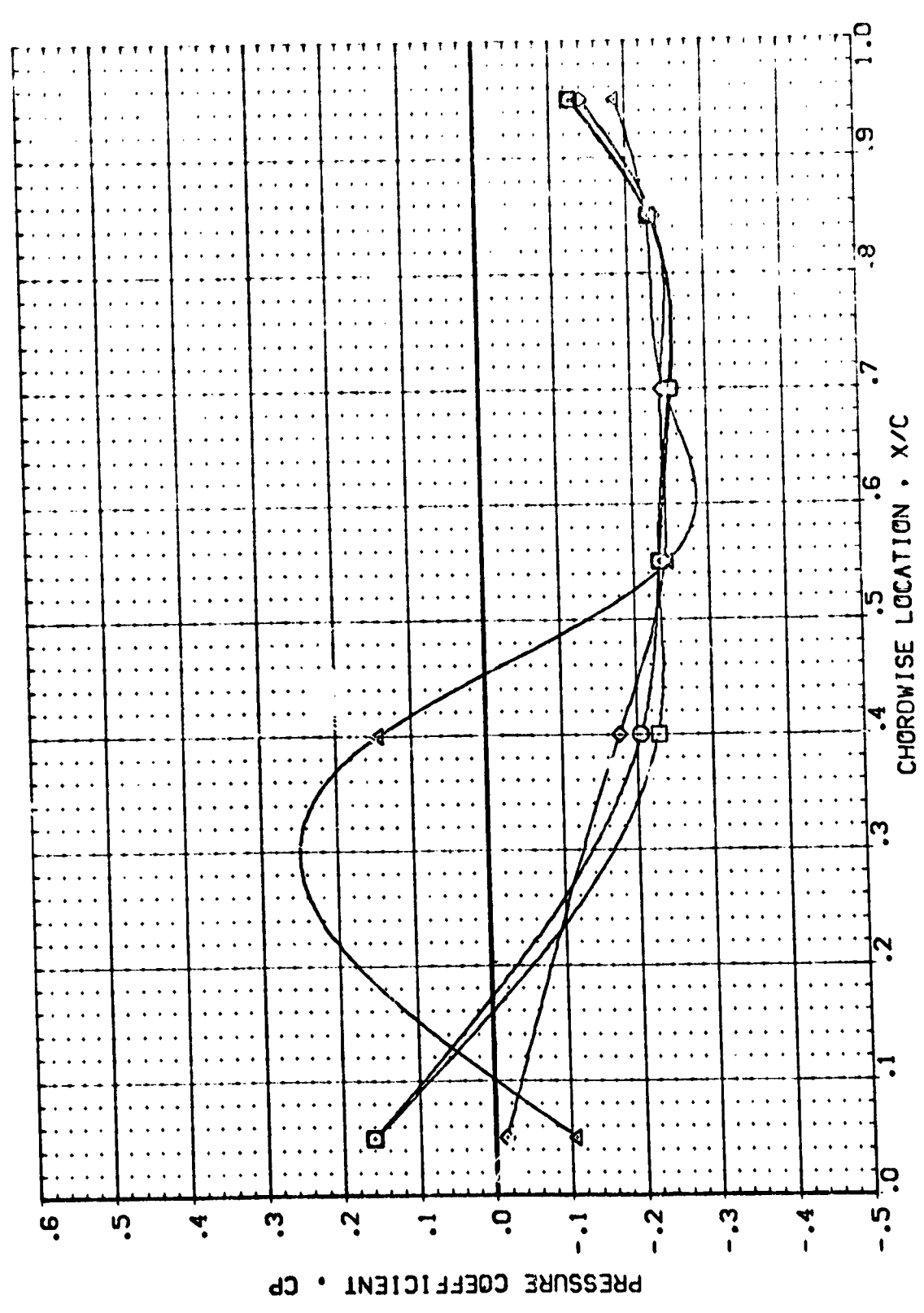


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .534

POWER	DPR	SRPR	RLODER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

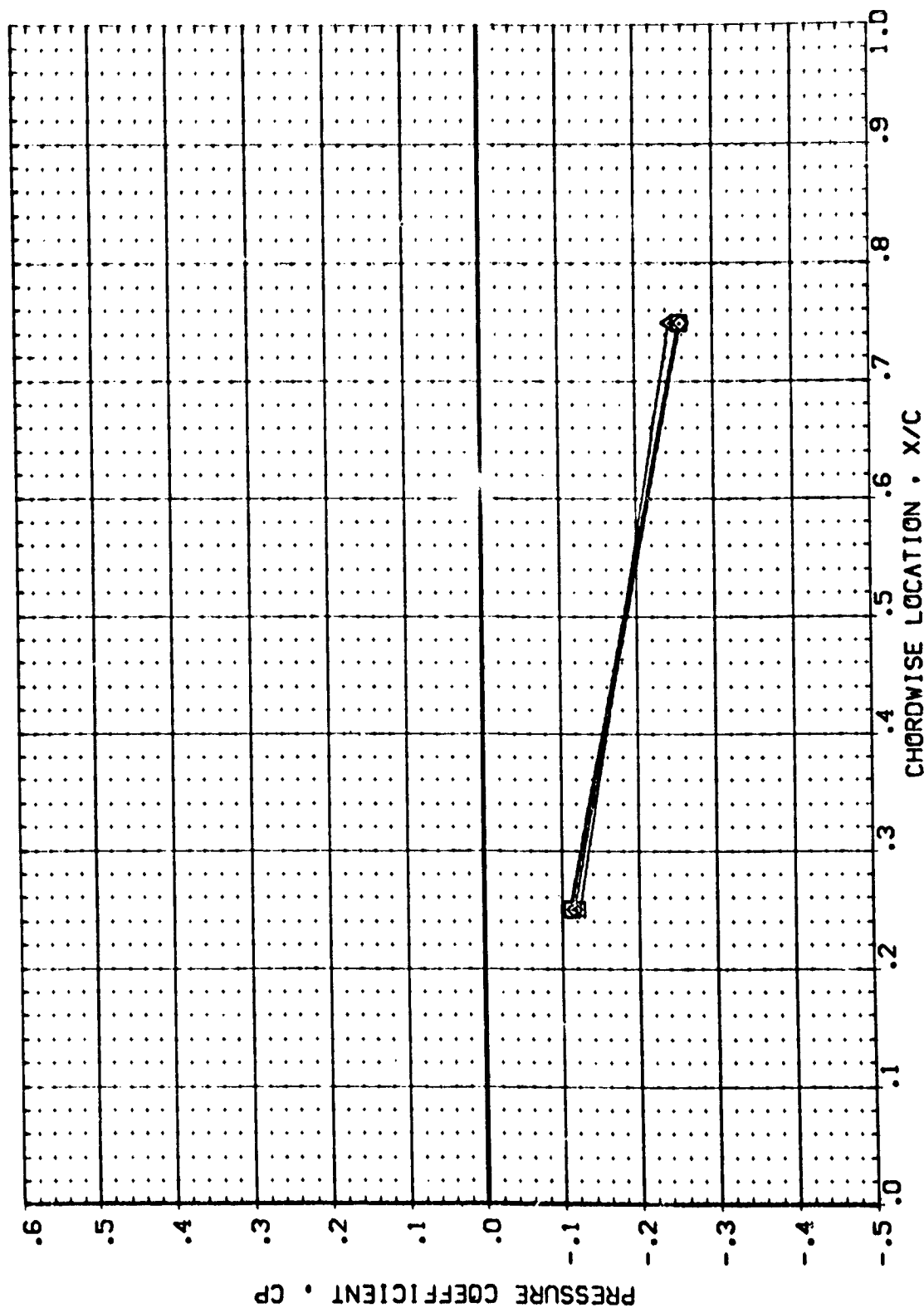
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
ARC 97-710	11 S1 (TOP WING)
ARC 97-710	11 S1 (TCP WING)
ARC 97-710	11 S1 (TCP WING)
ARC 97-710	11 S1 (TCP WING)



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .673

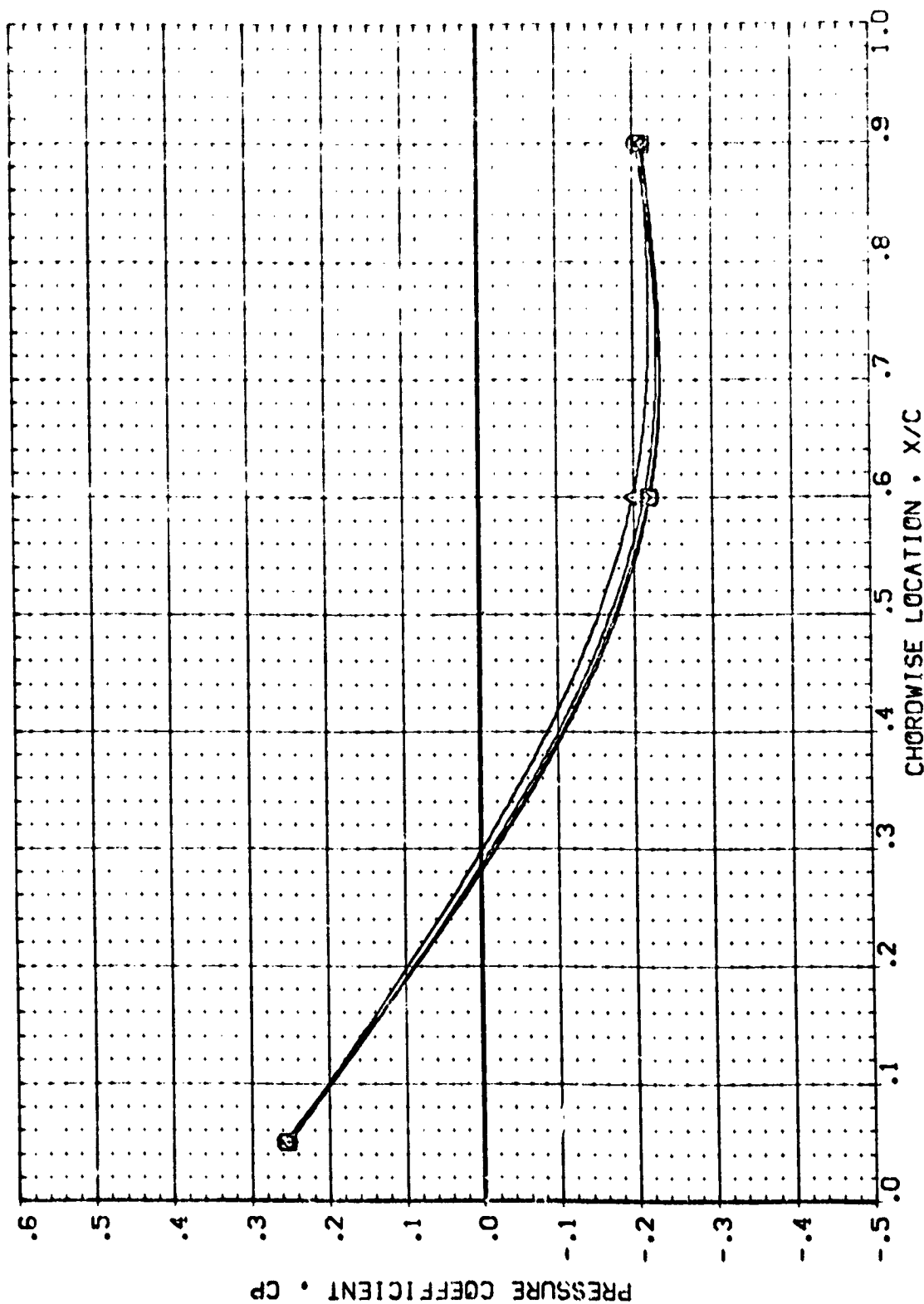
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDDER
RBVT21	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	.000			.000
RBVT09	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	.557	.000
RBVT31	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	1.245	.000
RBVT30	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	R ₀₀₅ P
(R9/12)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	.000	.409	.557	.000
(R9/13)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	1.445	.000
(R9/14)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	2.128	.000

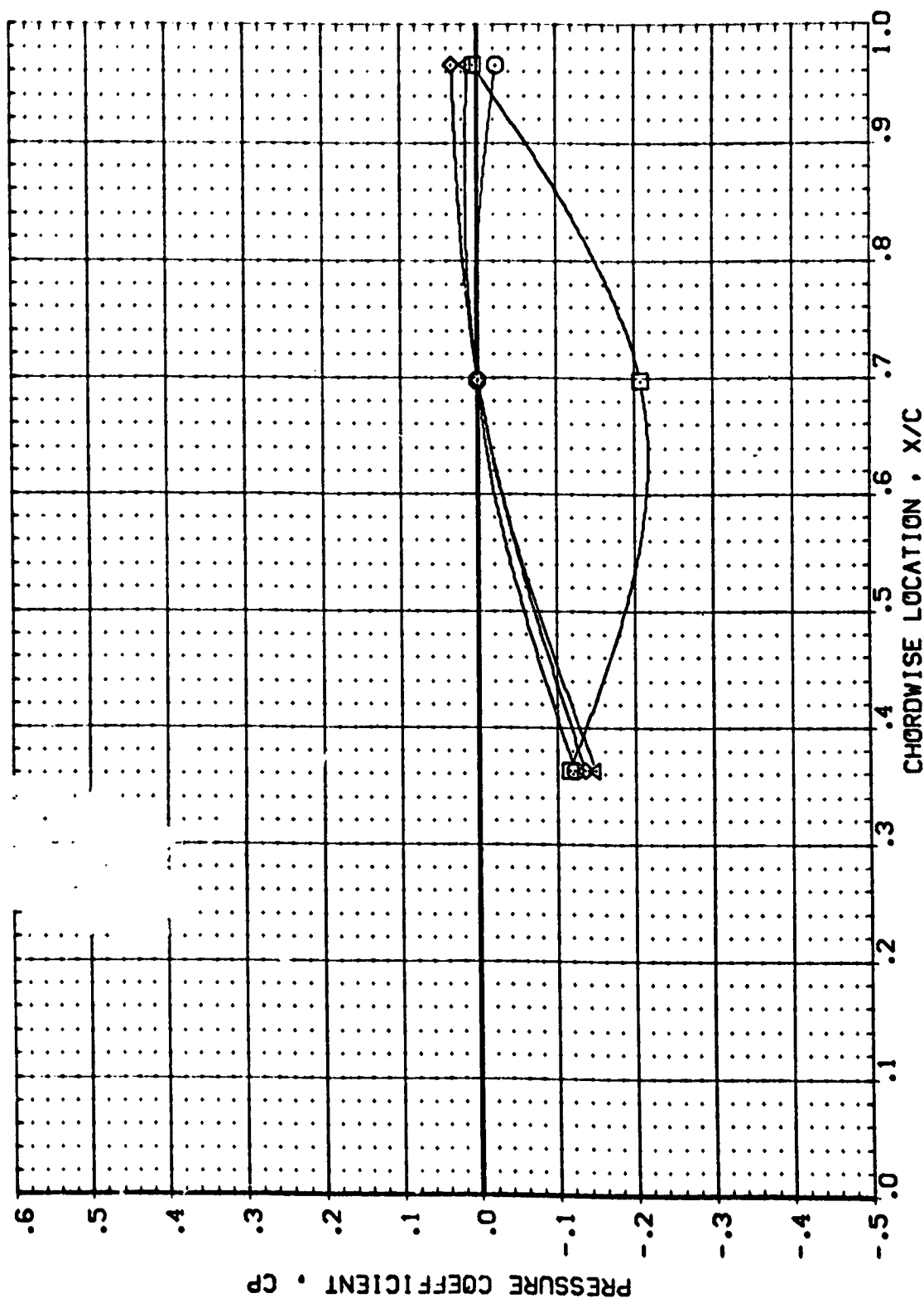


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT2) ARC 97-710 [A128 OI T] S VINC I II
 (RBVT3) ARC 97-710 [A128 OI T] S P VINC I II
 (RBVT30) ARC 97-710 [A128 OI T] S (TO VINC) II

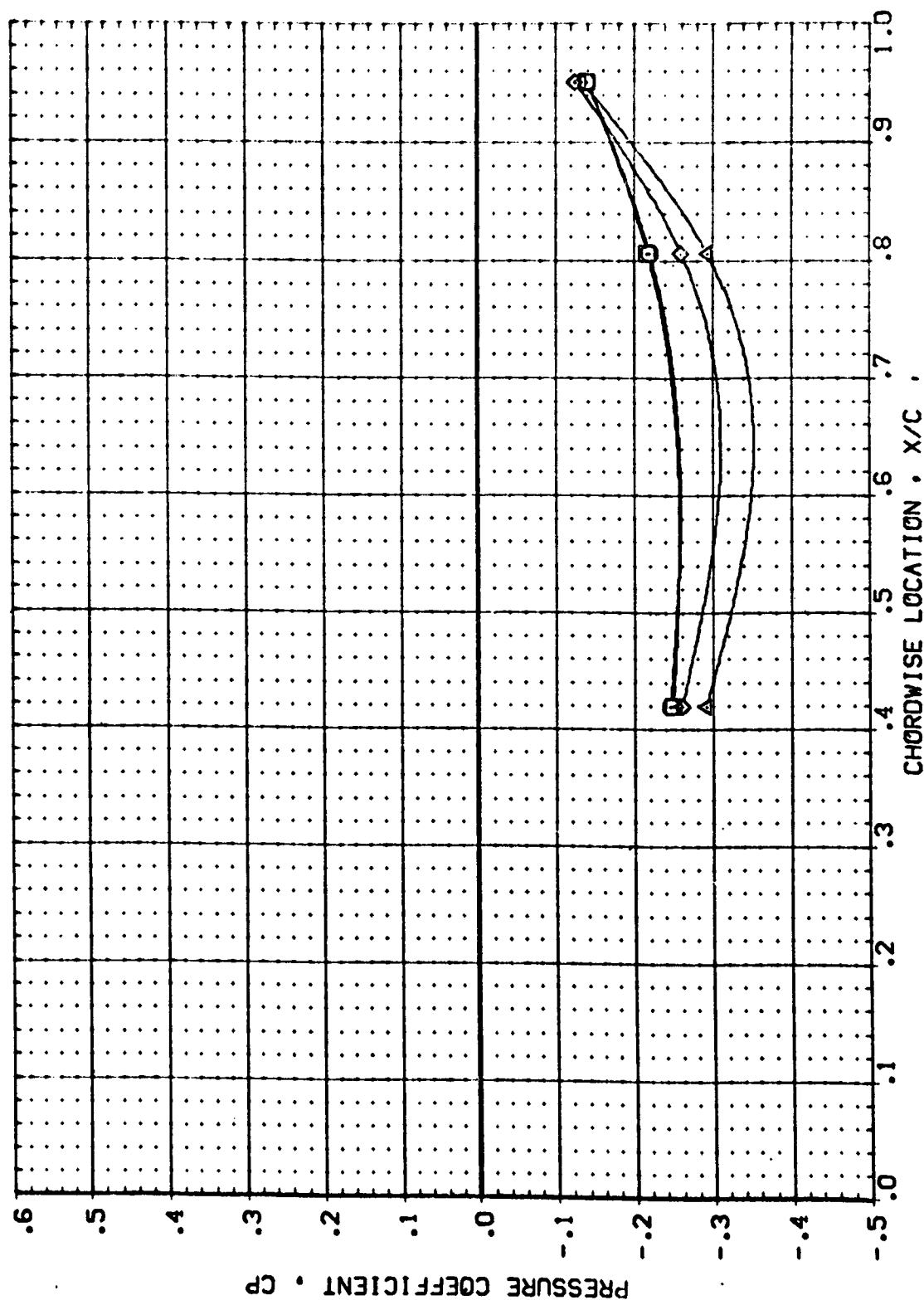
POWER OPR SMPR ROUER
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .299

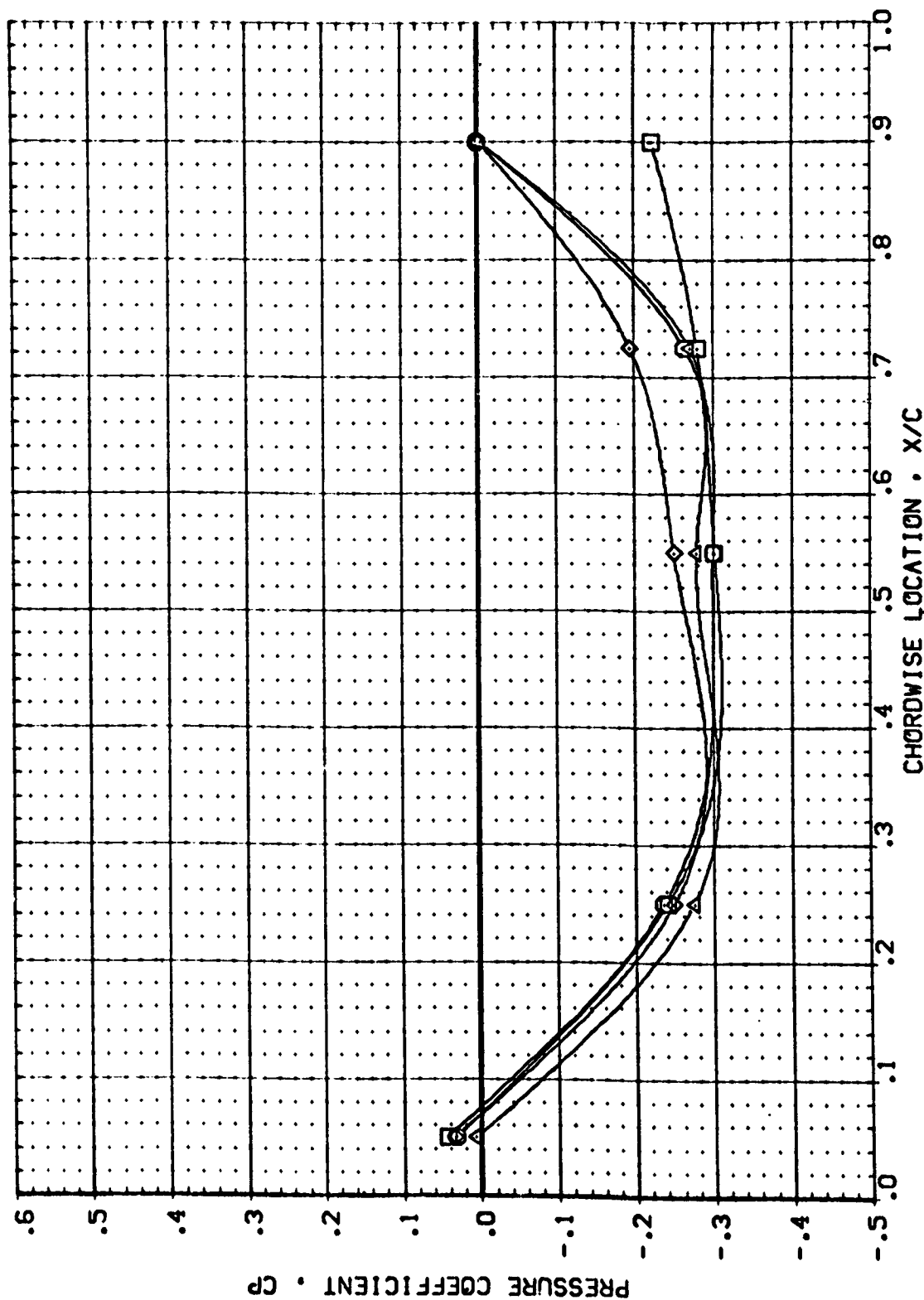
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SMR	RUDDER
(RBVT21)	ARC 97-710 IAI28 OI TI SI (TOP WING)	.000	.409	.557	.000
(RBVT09)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	1.245	.000
(RBVT31)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .427

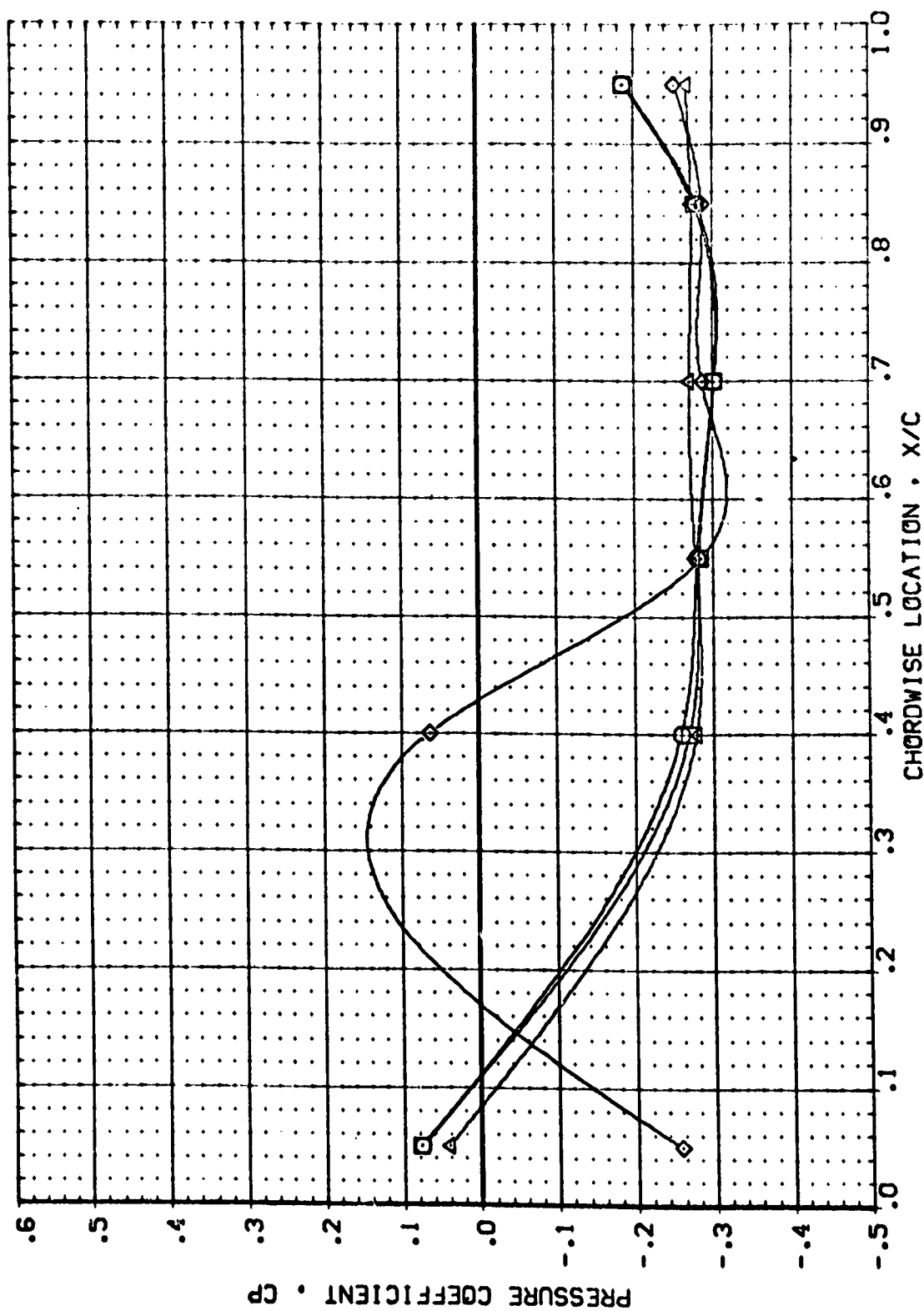
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	RJDDER
RBV721	□	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	.000	.409	.557	.000
RBV729	□	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	1.245	.000
RBV731	◇	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	2.128	.000
RBV730	◇	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .534

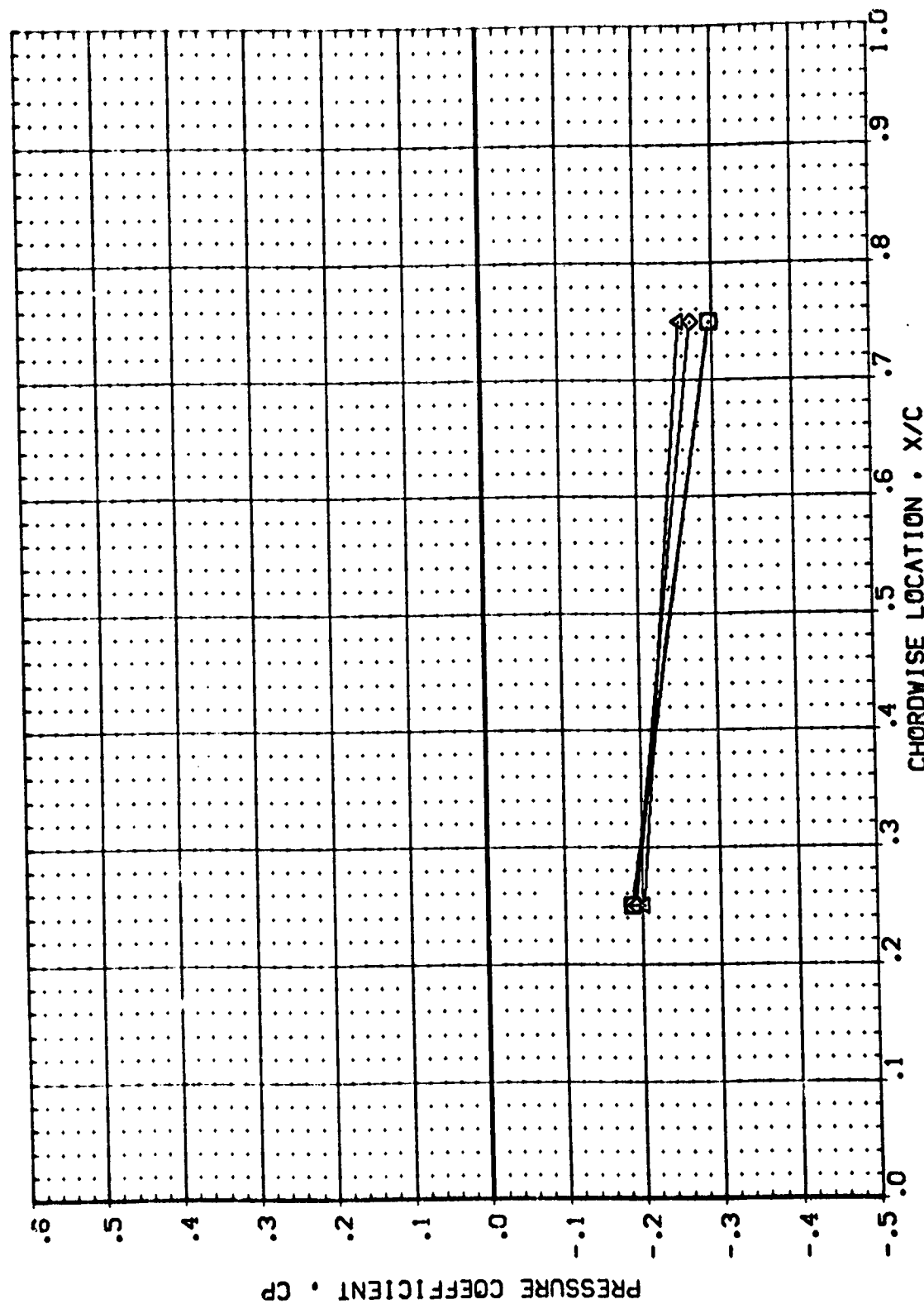
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RJODER
(RBVT21)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	.000	.409	.557	.000
(RBVT29)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	1.245	.000
(RBVT31)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	2.128	.000
(RBVT30)	ARC 97-710 (A128 O1 T1 S1) (TOP VING)	1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

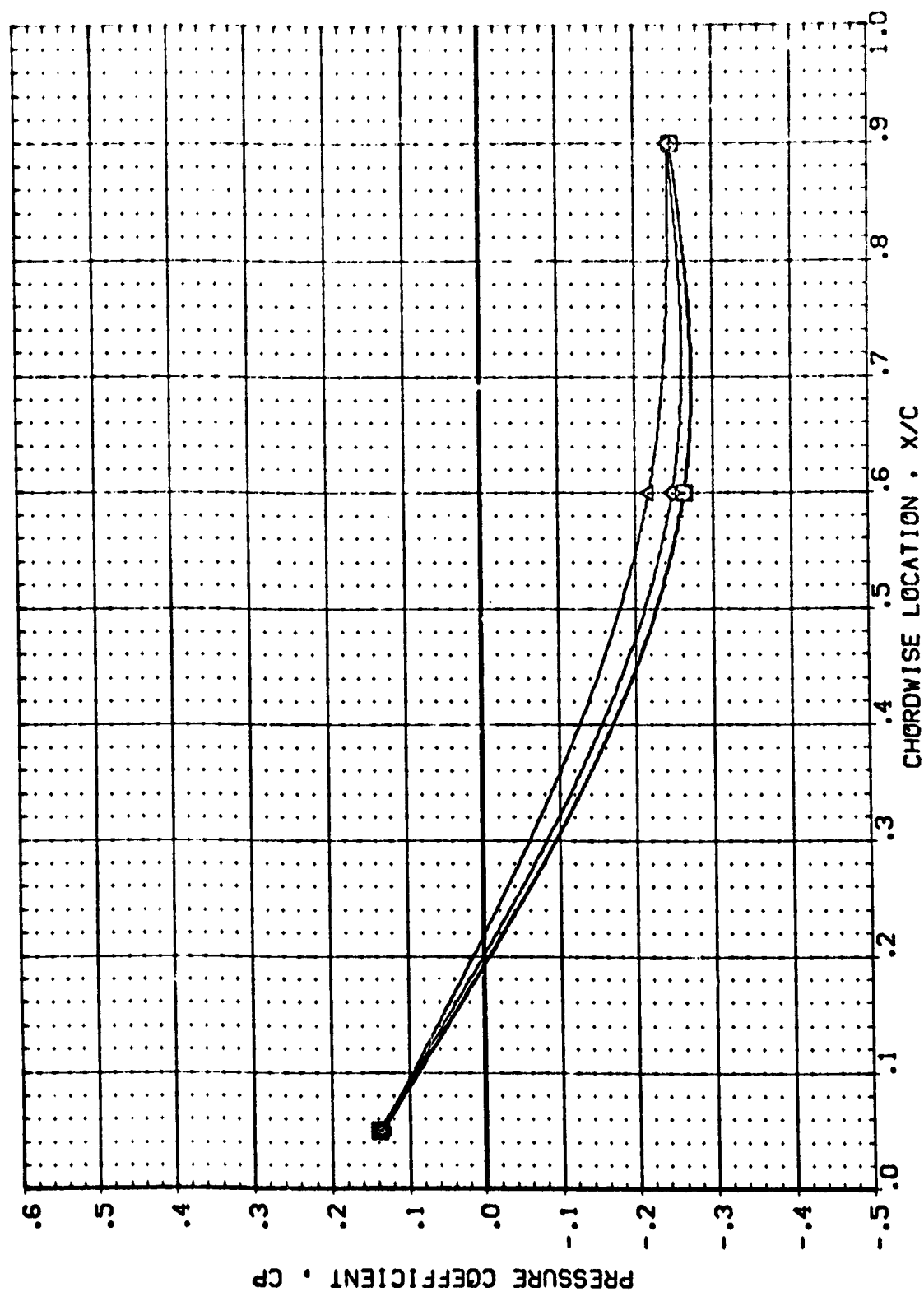
MACH = 2.000 ALPHA = 8.450 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
[RSV121]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.409	.557	.000
[RSV129]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	1.245	.000
[RSV131]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	2.128	.000
[RSV130]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409		



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMPR	RUDDER
(RBV121)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	.000	.409	.557	.000
(RBV109)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	1.245	.000
(RBV121)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	2.128	.000
(RBV130)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	2.128	.000

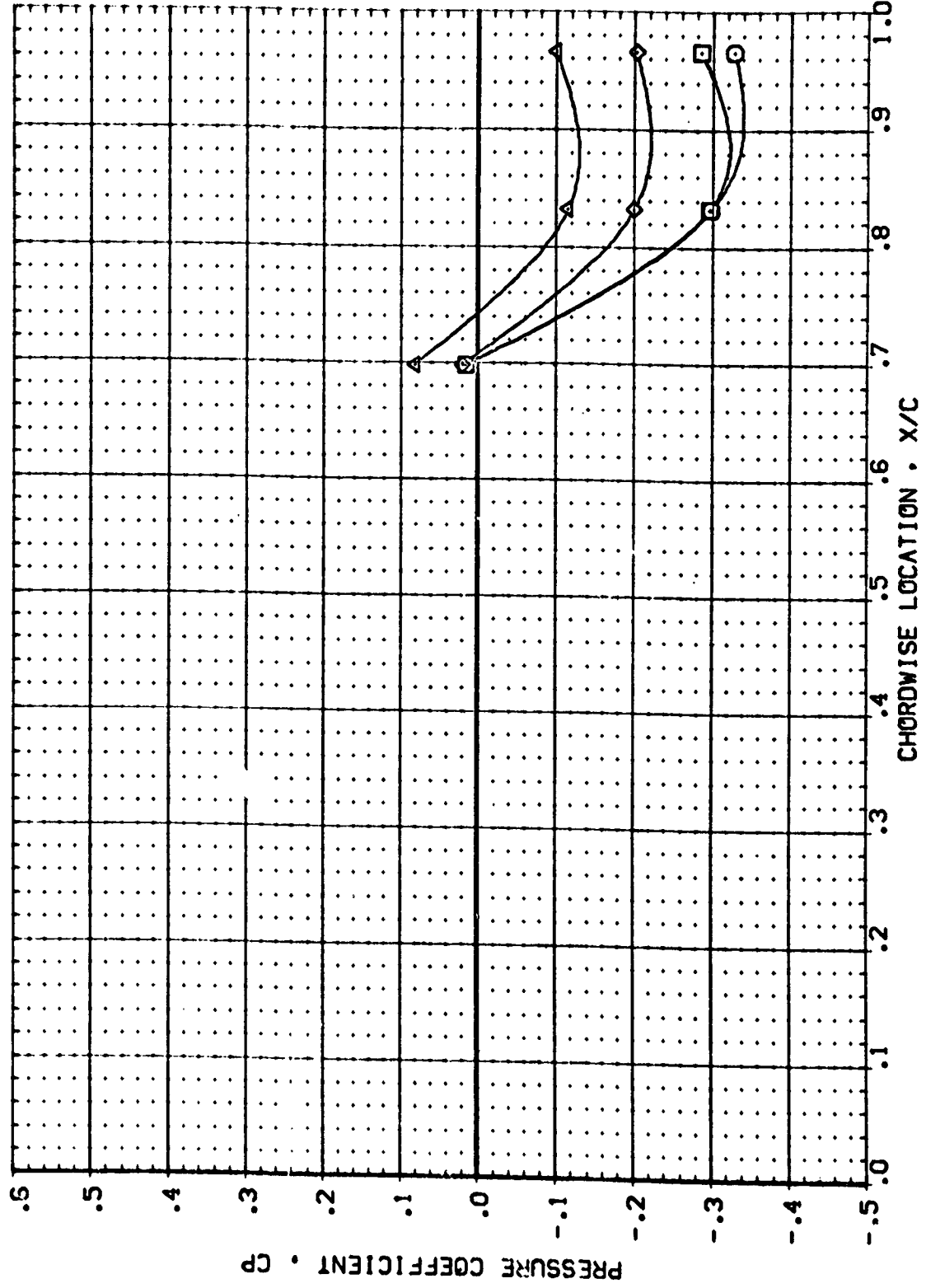


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV822) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11
 (RSV823) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11
 (RSV828) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11
 (RSV829) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11

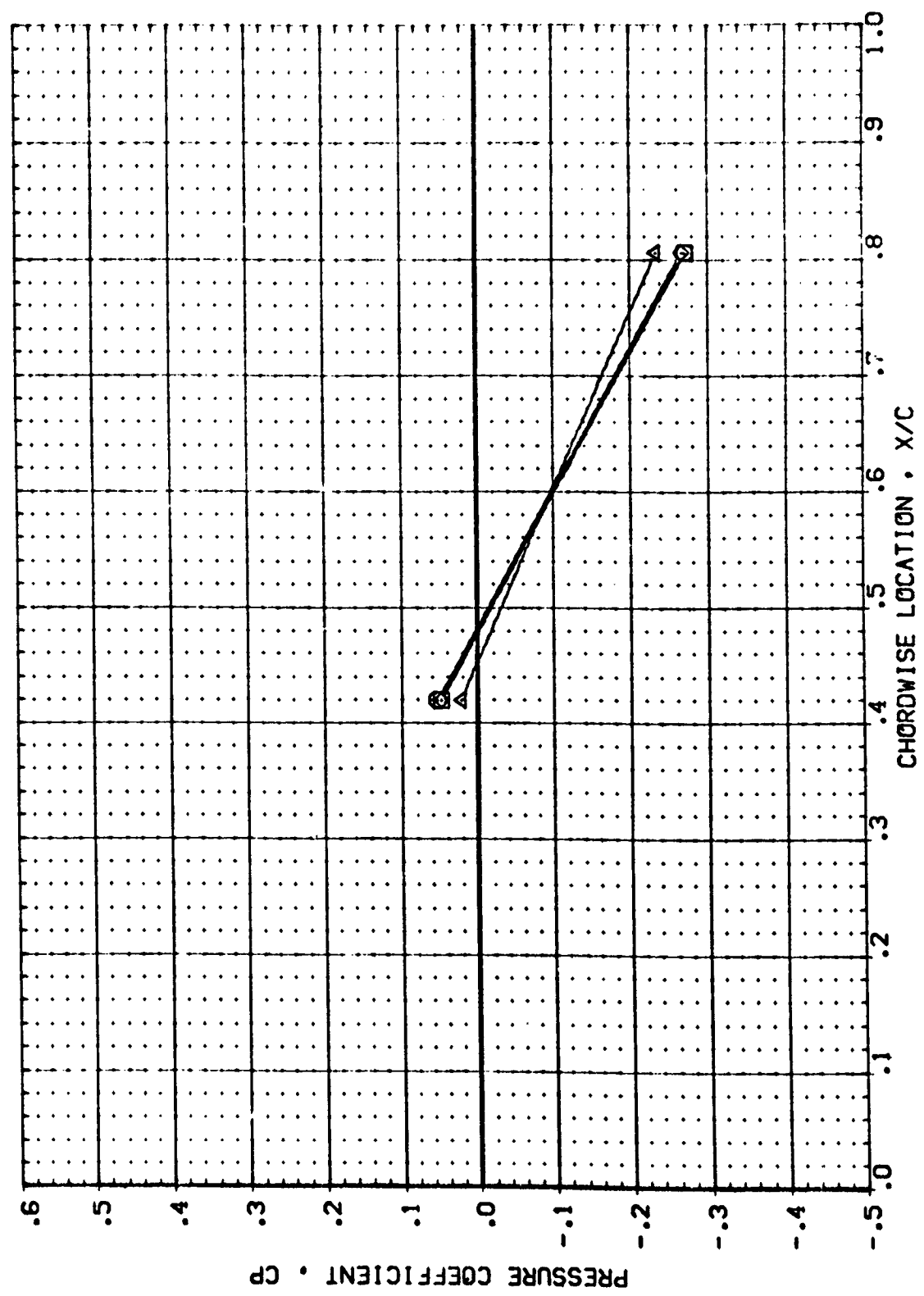
POWER CDR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .433 1.050 .000
 1.000 .433 1.790 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

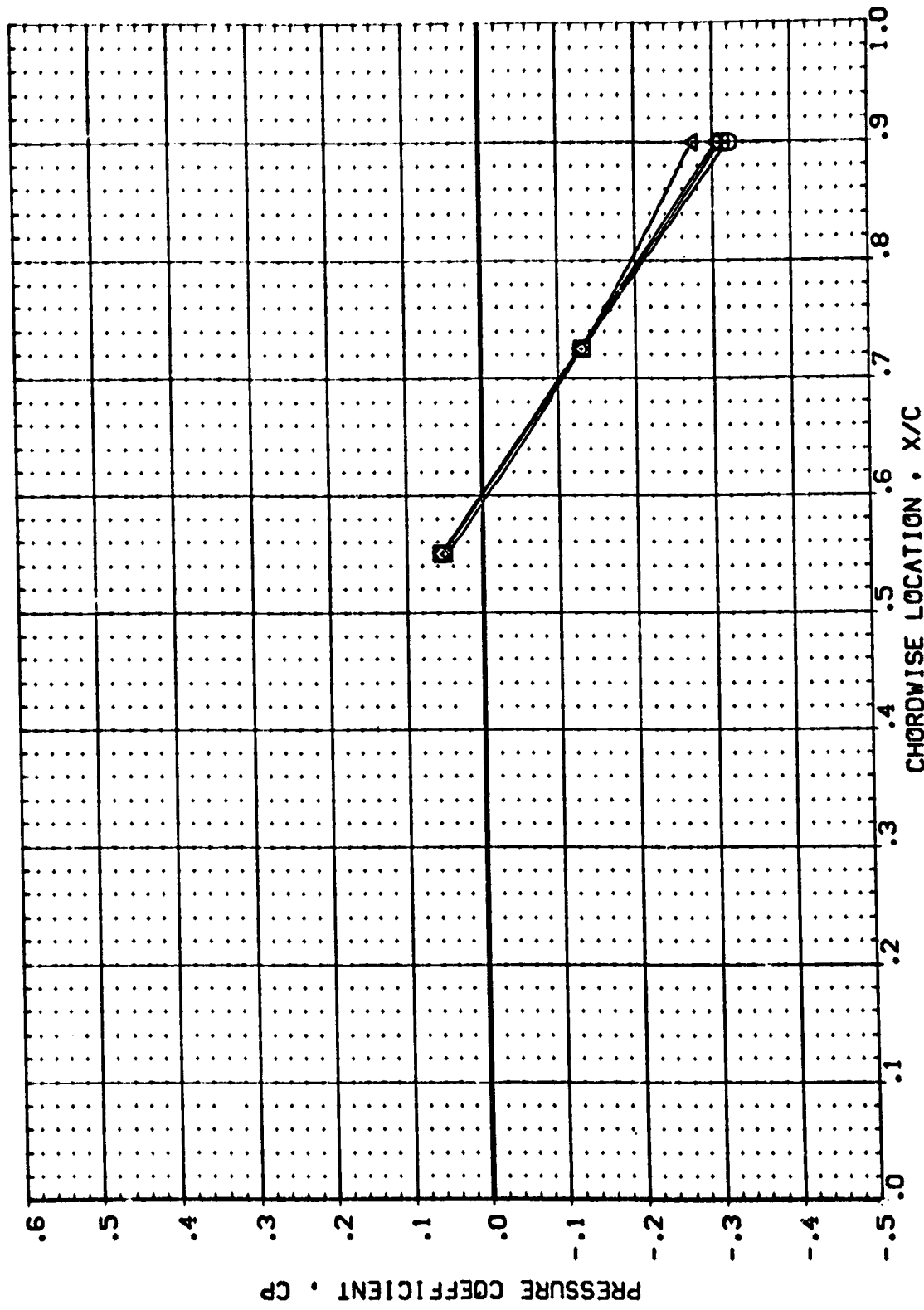
MACH = 1.550 ALPHA = -7.970 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVB22)	ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]	.000			.000
(RBVB23)	ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]	1.000	.433	.469	.000
(RBVB28)	ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]	1.000	.433	1.050	.000
(RBVB29)	ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]	1.000	.433	1.750	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

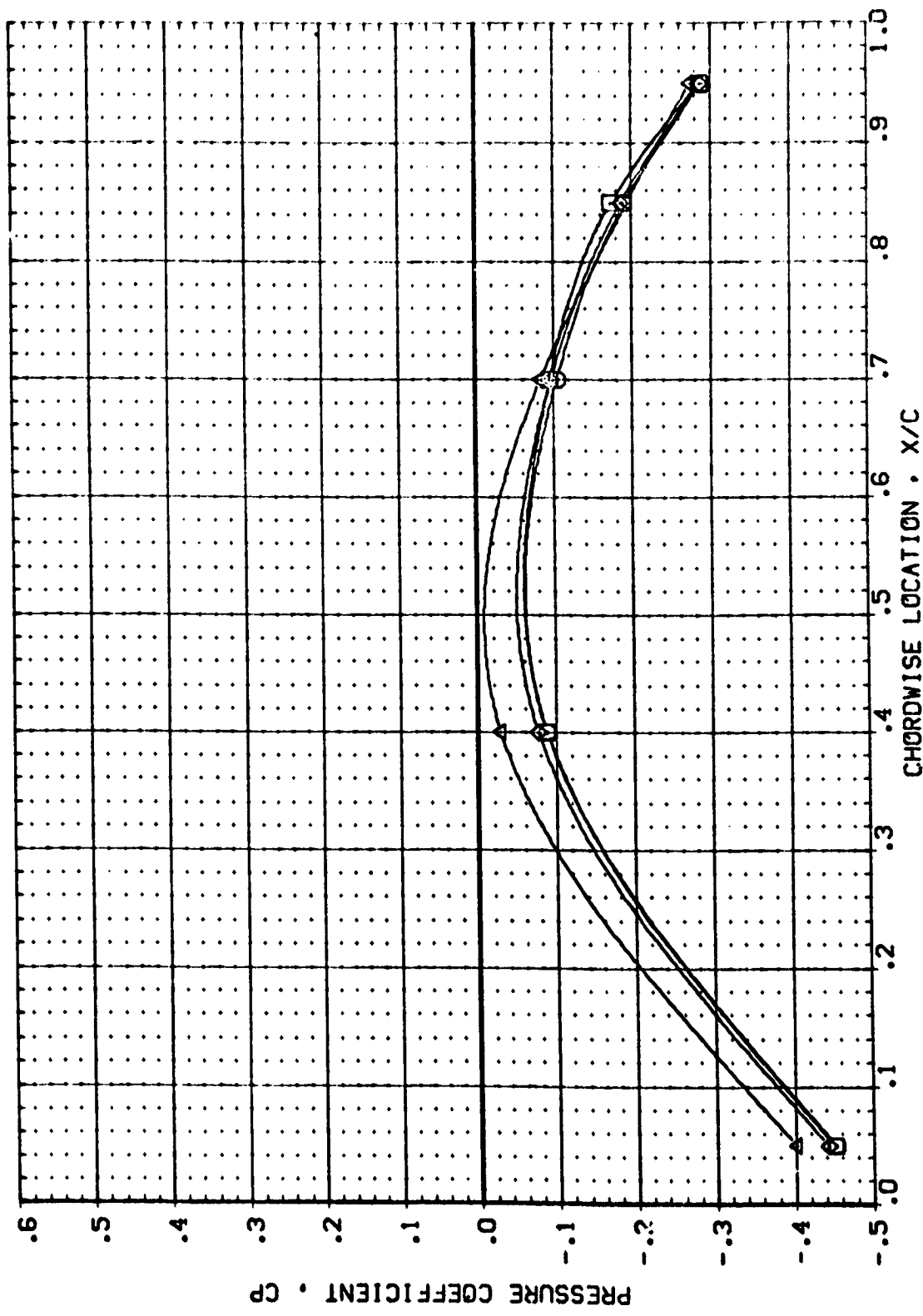
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SCMPR	RUDDER
(RBV822)	ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11	.000	.433	.469	.000
(RBV823)	ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11	1.000	.433	1.050	.000
(RBV828)	ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11	1.000	.433	1.750	.000
(RBV829)	ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11	1.000	.433	1.750	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBV822)	ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11	.000	.433	.469	.000
(RBV823)	ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11	1.000	.433	1.050	.000
(RBV829)	ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11	1.000	.433	1.750	.000

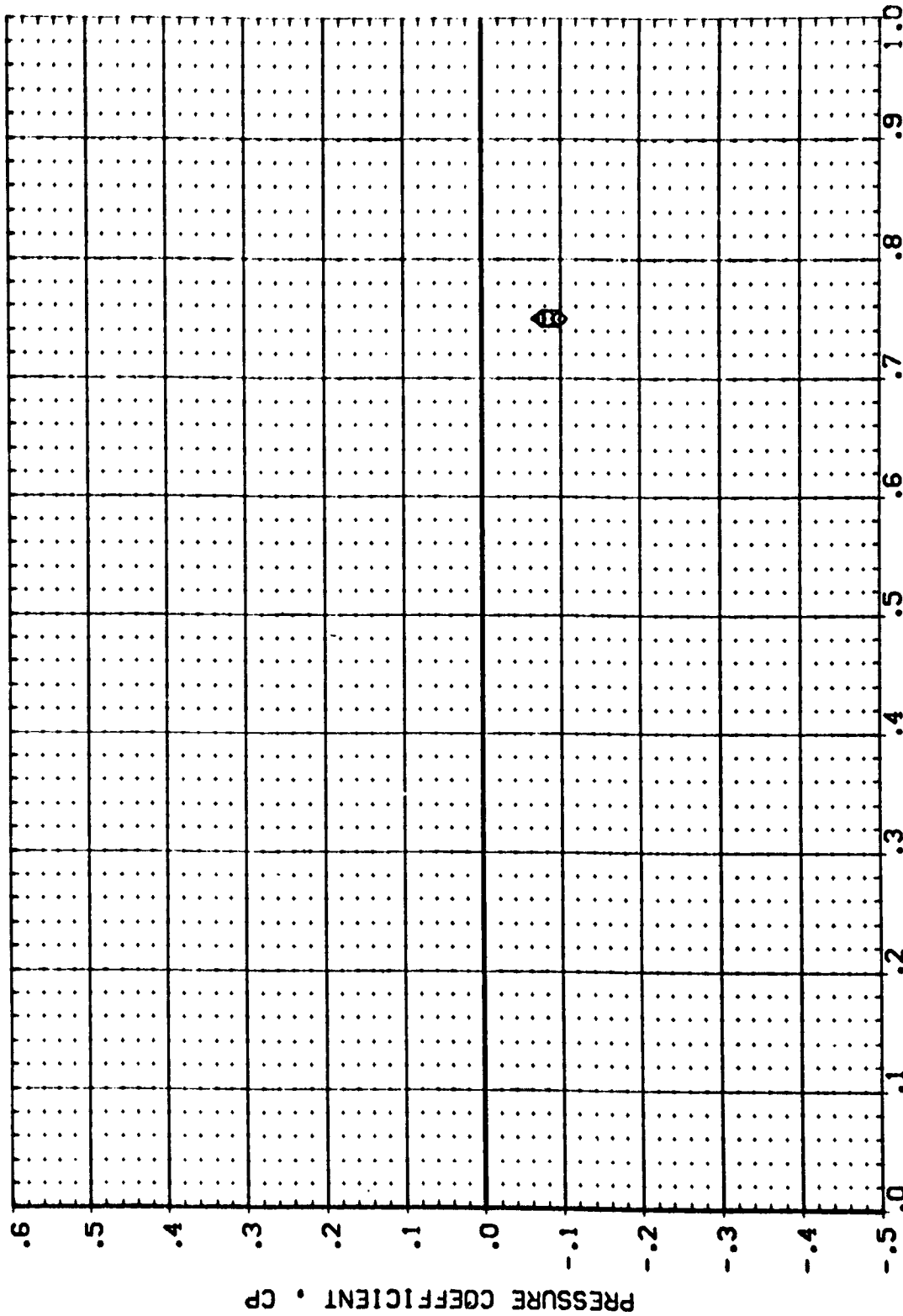


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .673 PAGE 40

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV822) ARC 97-710 (A128 01 T1 S1(BOTTOM WING))
 (RSV823) ARC 97-710 (A128 01 T1 S1(BOTTOM WING))
 (RSV828) ARC 97-710 (A128 01 T1 S1(BOTTOM WING))
 (RSV829) ARC 97-710 (A128 01 T1 S1(BOTTOM WING))

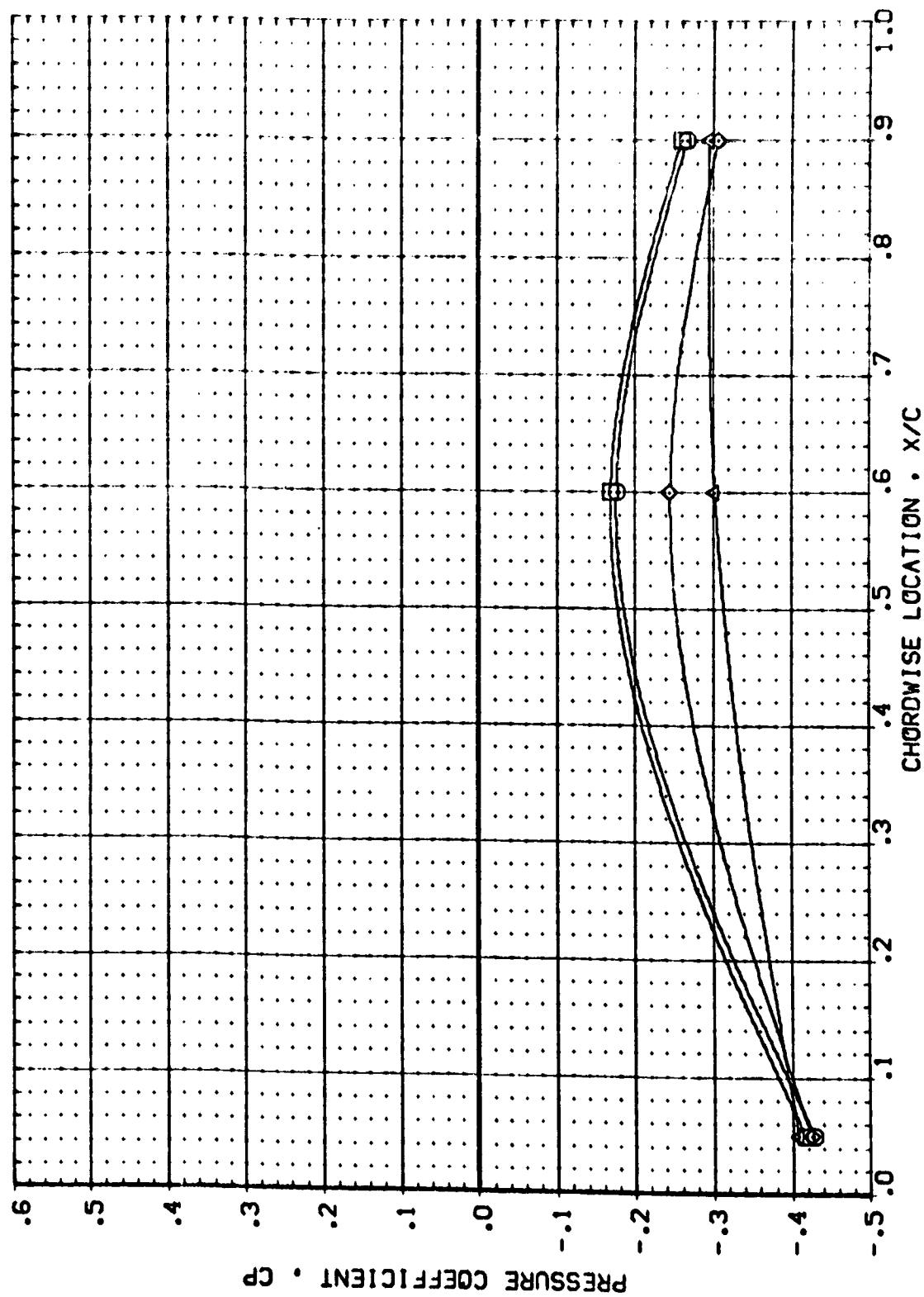
POWER DFR SFRPR RUDDER
 .000 .433 .469 .000
 1.000 .433 1.050 .000
 1.000 .433 1.750 .000



CHORDWISE LOCATION, X/C
 PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMFR	RJDER
(RBV822)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	.000	.433	.469	.000
(RBV823)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.050	.000
(RBV828)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.790	.000
(RBV829)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.790	.000

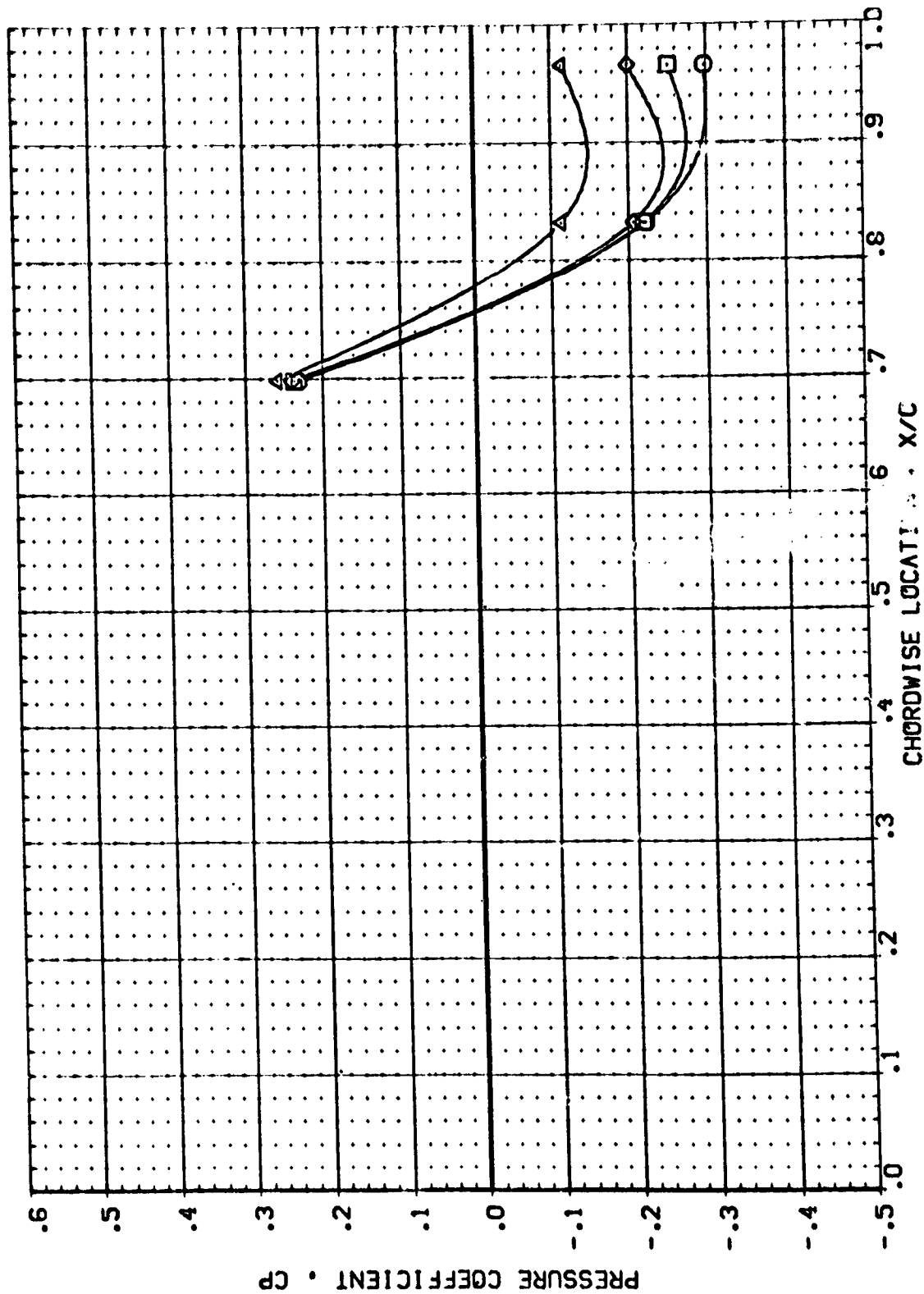


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .887


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 RBV822) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 RBV823) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 RBV829) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 RBV829) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER DPR SMPR RJDEER
 .000 .433 .469 .000
 1.000 .433 .050 .000
 1.000 .433 1.750 .000

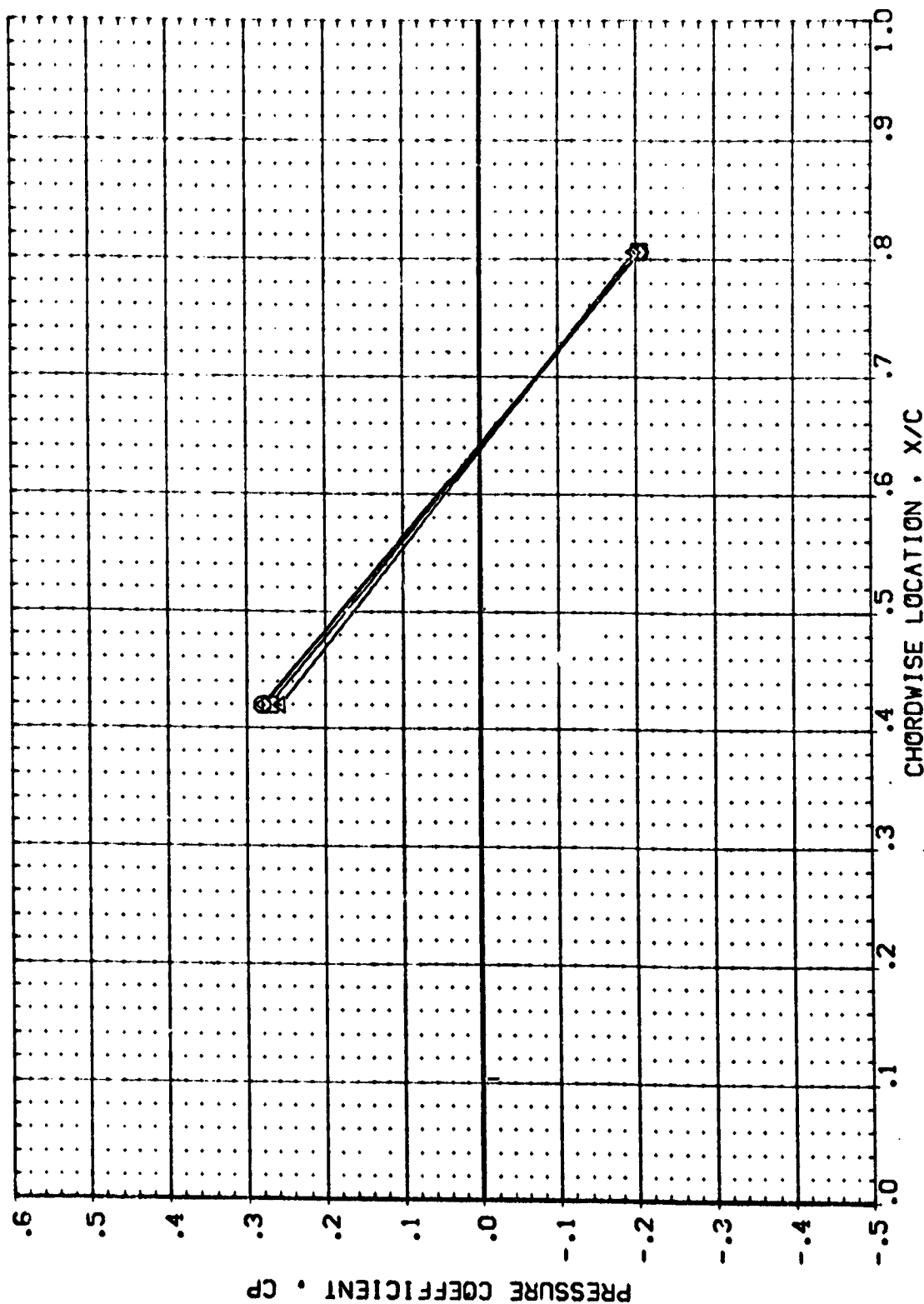


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTION - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R9V922)  ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11
 (R9V923)  ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11
 (R9V928)  ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11
 (R9V929)  ARC 97-710 [A]28 01 T1 S1(BOTTOM VING)11

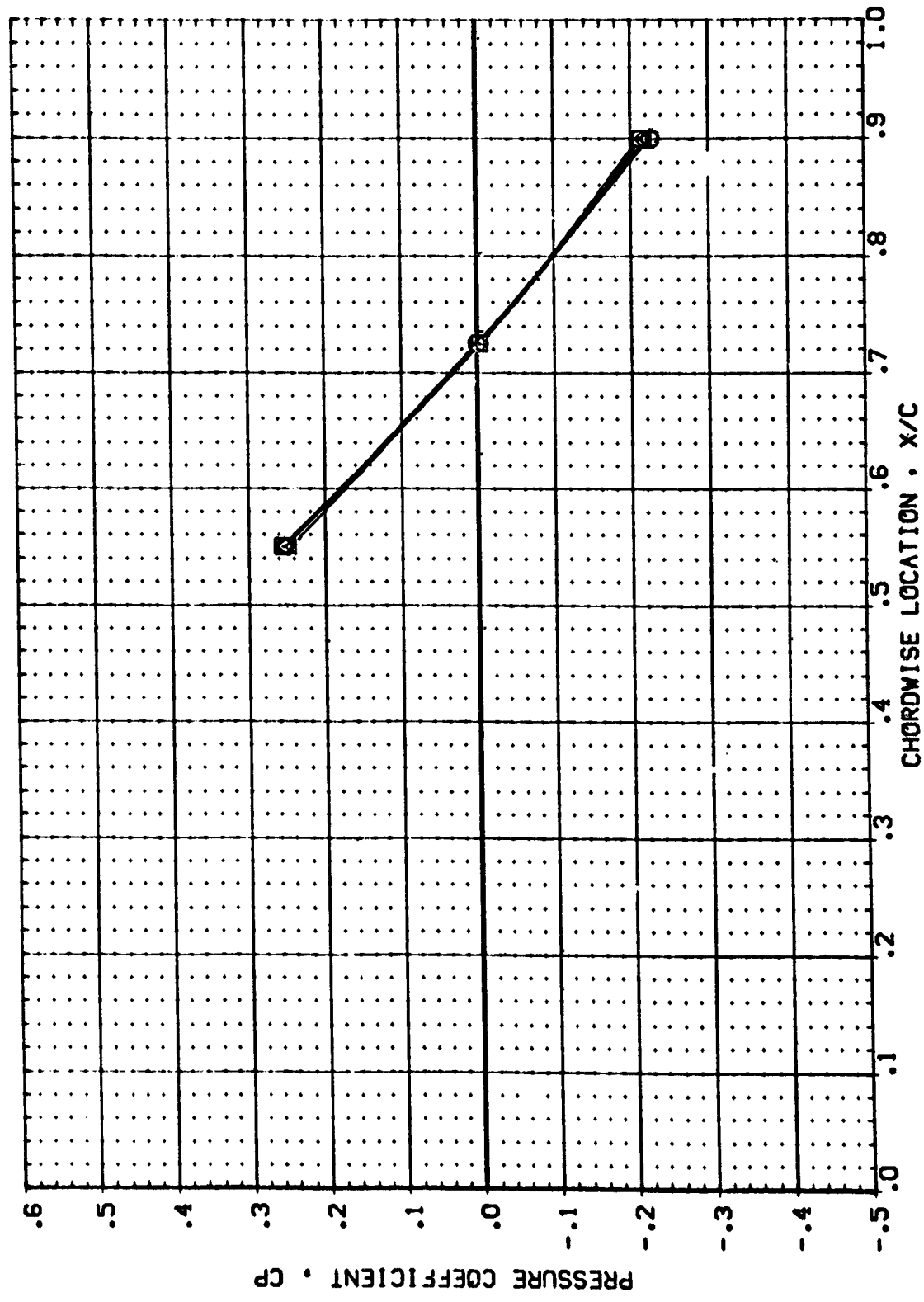
POWER C/P SR/PR RUDDER
 .000 .433 .469 .000
 1.000 .433 1.050 .000
 1.000 .433 1.750 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
(RBV822)	ARC 97-710 (A128 O1 T1) SILENT BOTTOM WING(11)	.000	.433	.469	.000
(RBV823)	ARC 97-710 (A128 O1 T1) SILENT BOTTOM WING(11)	1.000	.433	1.050	.000
(RBV828)	ARC 97-710 (A128 O1 T1) SILENT BOTTOM WING(11)	1.000	.433	1.790	.000
(RBV829)	ARC 97-710 (A128 O1 T1) SILENT BOTTOM WING(11)	1.000	.433	1.790	.000

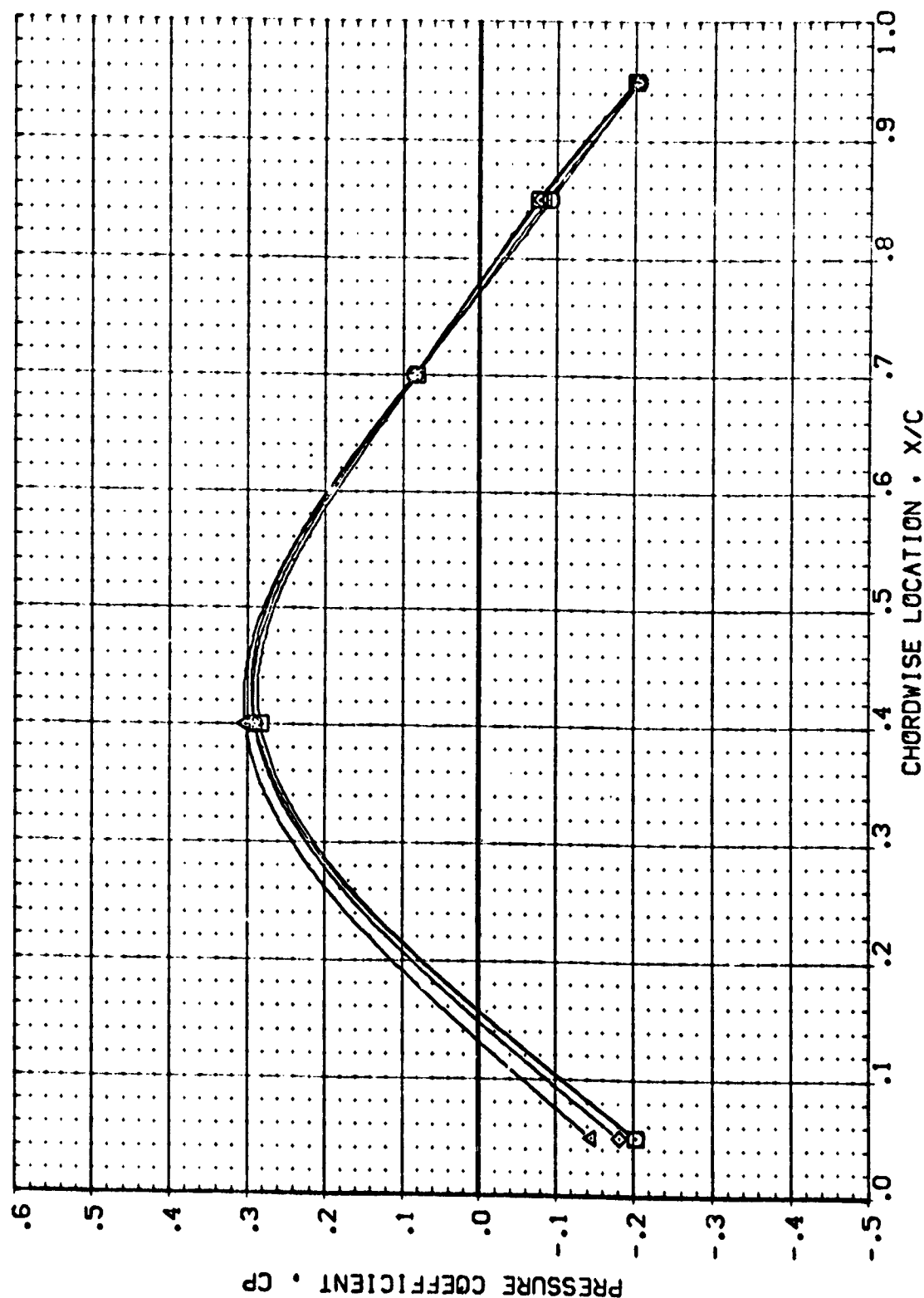


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R9.922) C ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (R9.923) X ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (R9.928) X ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (R9.929) X ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

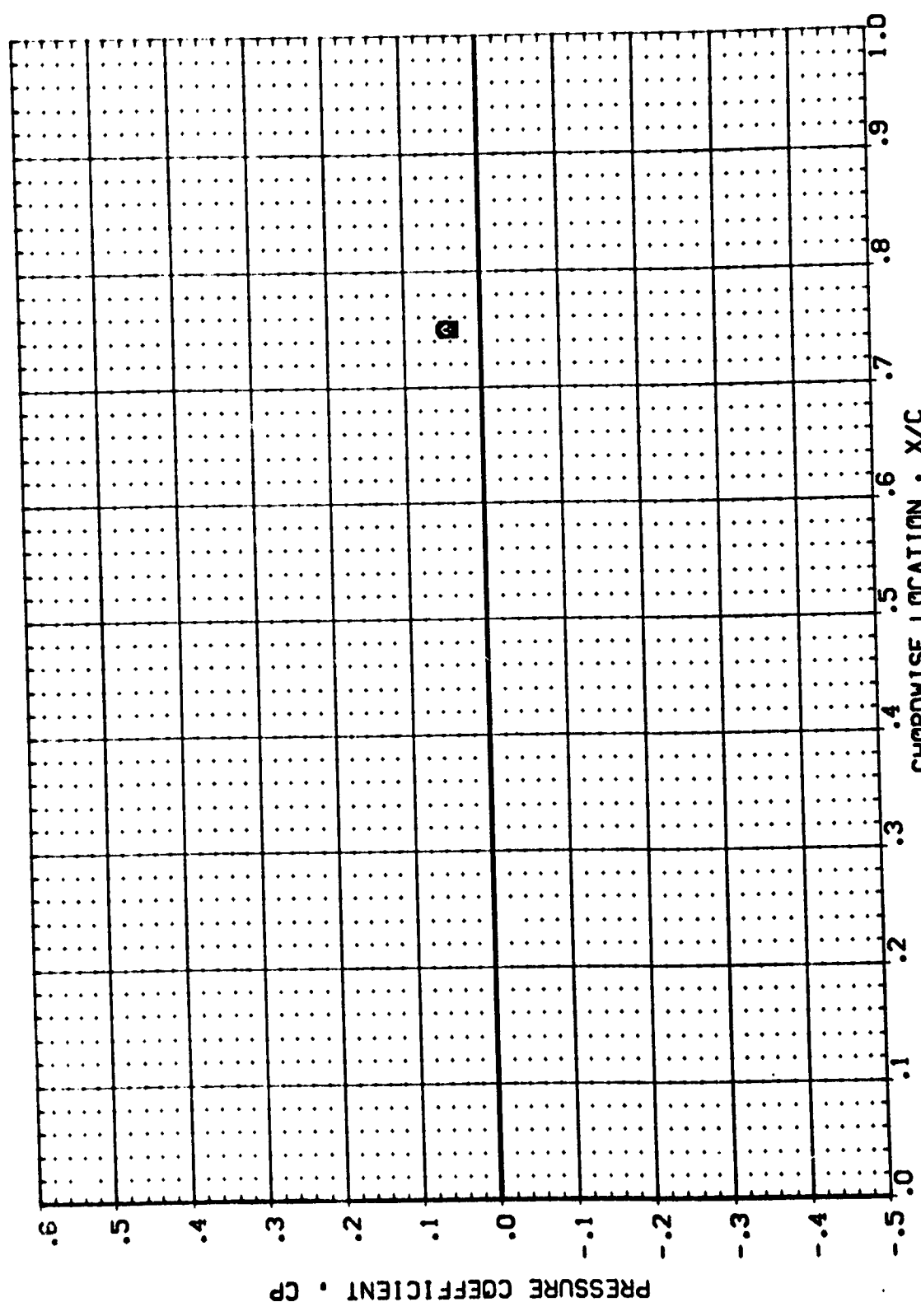
POWER OPR SNMPR R-ODER
 .000 .433 .000
 1.000 .433 .000
 1.000 .433 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDER
[RBV822]	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	.000	.433	.469	.000
[RBV823]	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.050	.000
[RBV828]	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.790	.000
[RBV829]	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000			



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .780

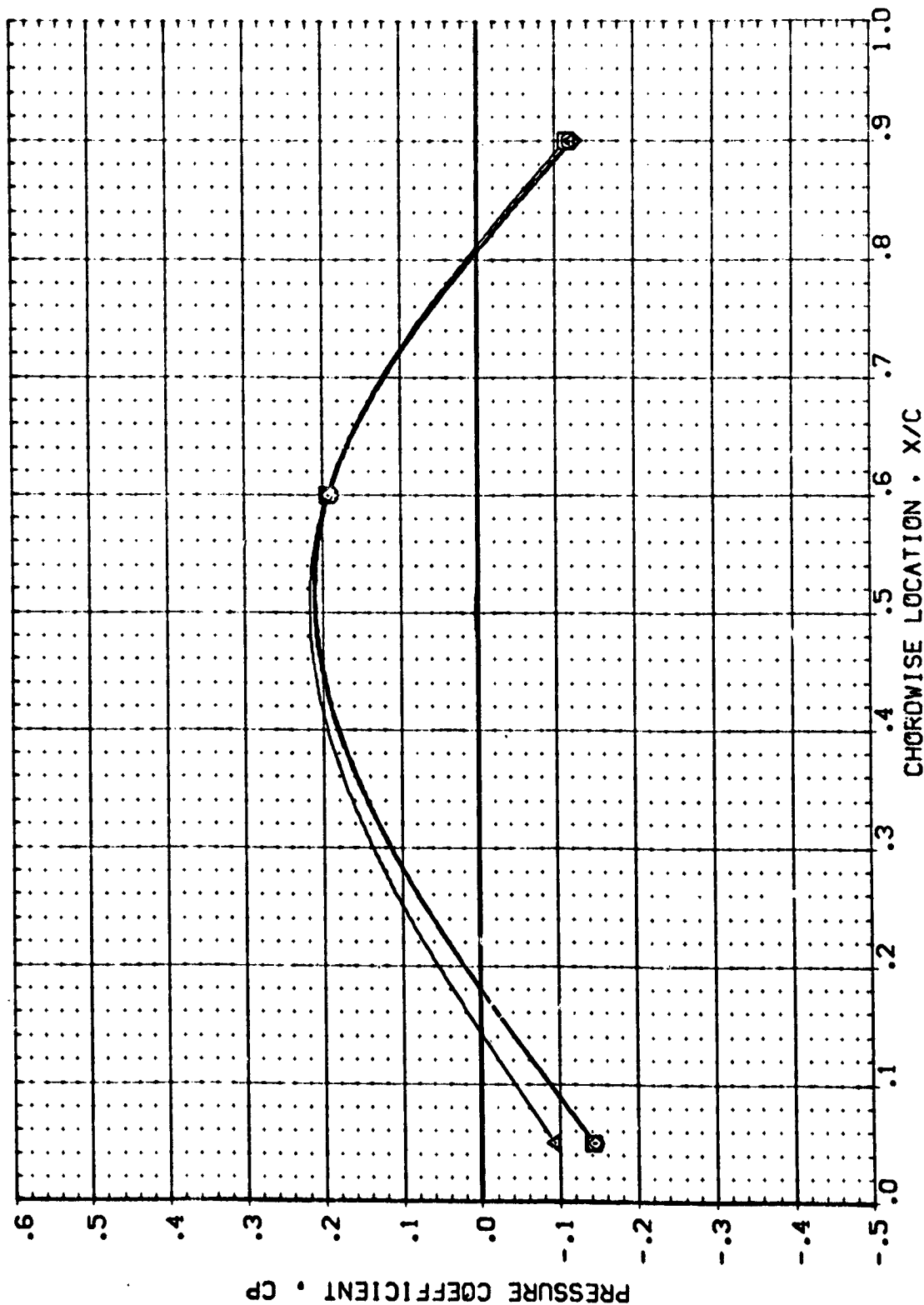
PAGE 47

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R9VB22)	ARC 97-710	AI28 01	T1	SI(BOTTOM VING)11
(R9VB23)	ARC 97-710	AI28 01	T1	SI(BOTTOM VING)11
(R9VB28)	ARC 97-710	AI28 01	T1	SI(BOTTOM VING)11
(R9VB29)	ARC 97-710	AI28 01	T1	SI(BOTTOM VING)11

POWER DFR SFRPR RUDDER

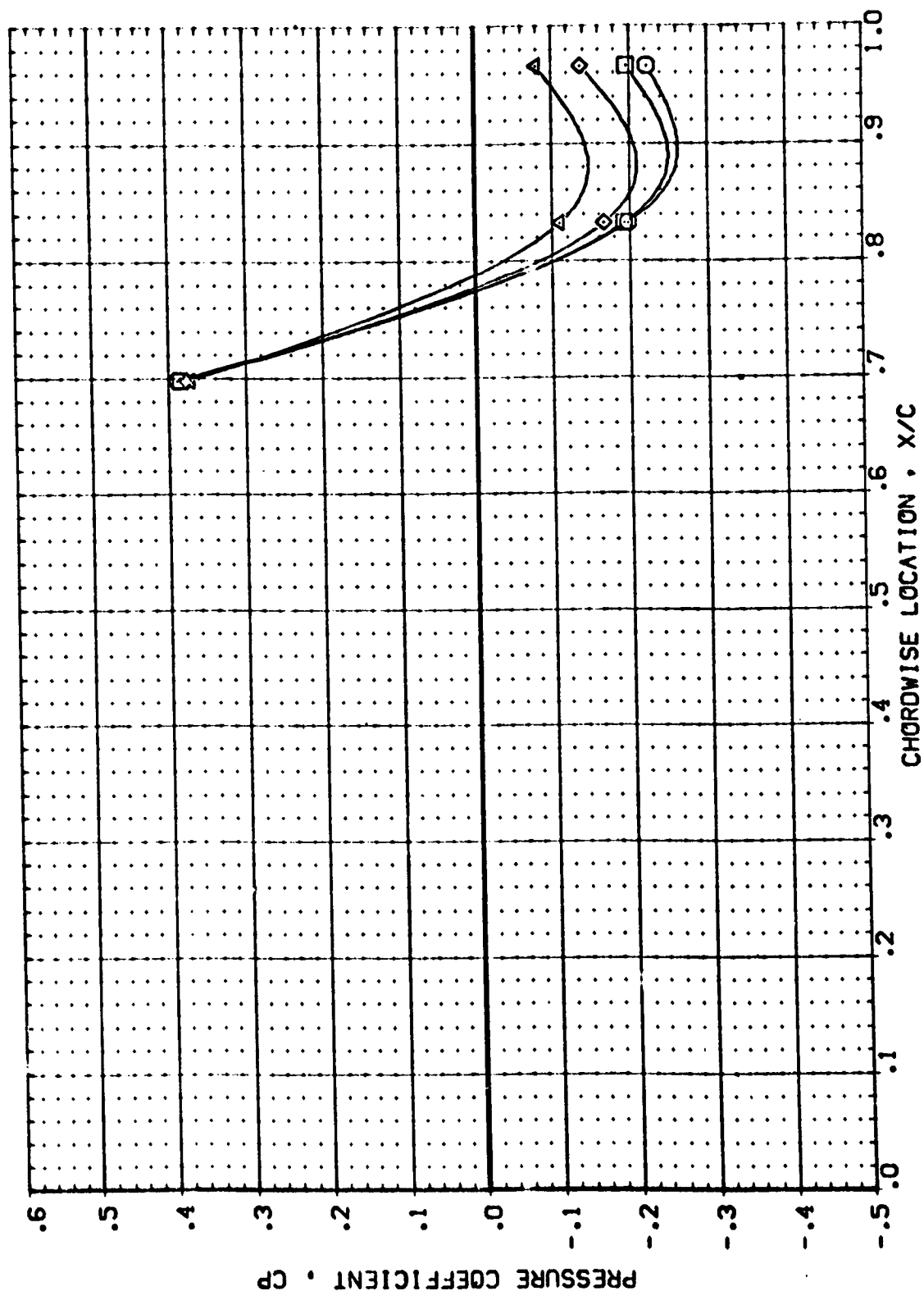
.000	.433	.469	.000
1.000	.433	1.050	.000
1.000	.433	1.750	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .887

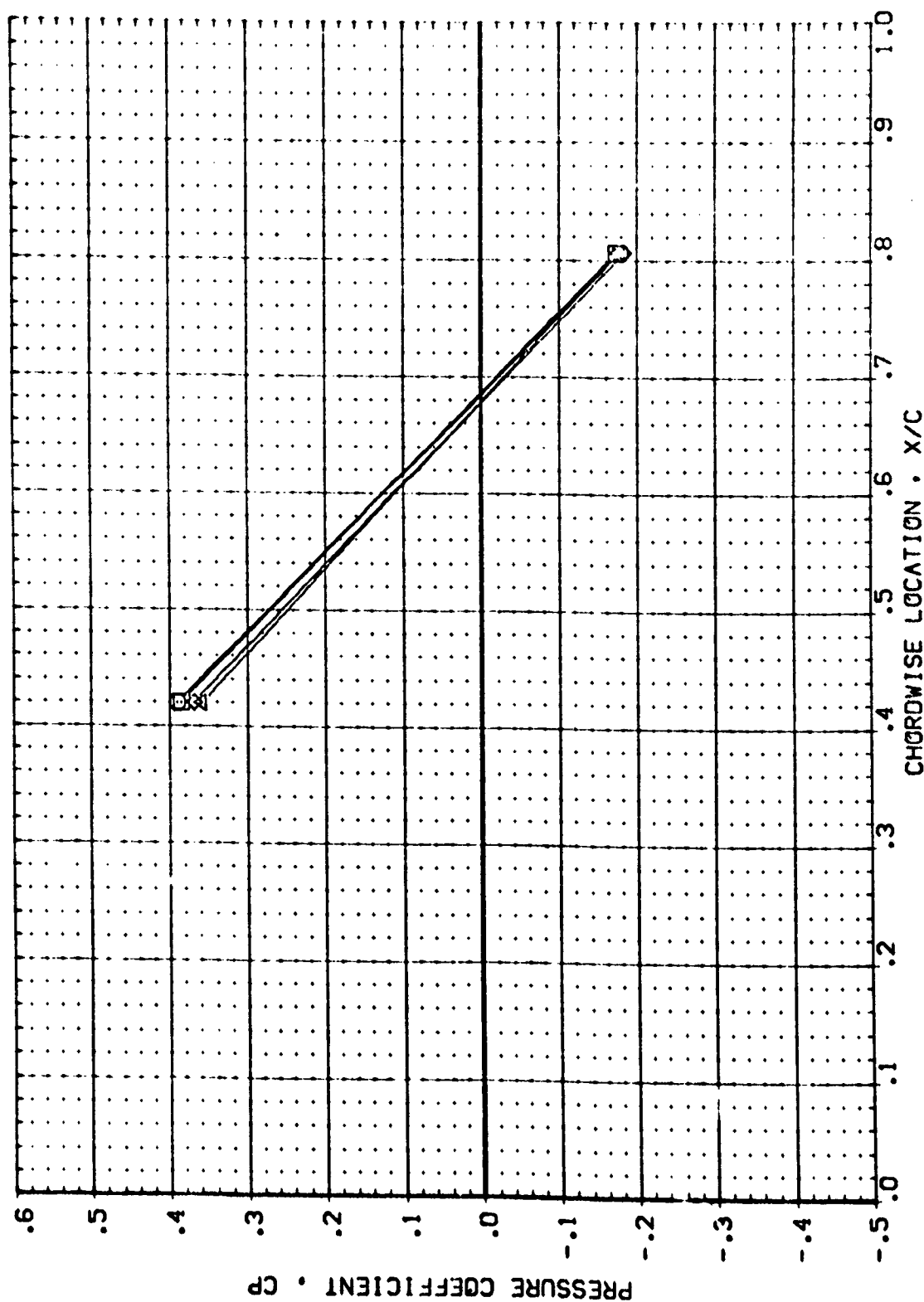
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POVER	DPR	SRPR	RJDDER
RB/B22	ARC 97-710 1A:28 CI T1 S1(BOTTOM VING)11	.000	.433	.469	.000
RB/B23	ARC 97-710 1A:28 CI T1 S1(BOTTOM VING)11	1.000	.433	1.050	.000
RB/B28	ARC 97-710 1A:28 CI T1 S1(BOTTOM VING)11	1.000	.433	1.790	.000
RB/B29	ARC 97-710 1A:28 CI T1 S1(BOTTOM VING)11	1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	RJDOER
[RB1822]	ARC 97-710 1A128 O1 T1 SI(BOTTOM WING)11	.000	.433	.469	.000
[RB1823]	ARC 97-710 1A128 O1 T1 SI(BOTTOM WING)11	1.000	.433	1.050	.000
[RB1828]	ARC 97-710 1A128 O1 T1 SI(BOTTOM WING)11	1.000	.433	1.790	.000
[RB1829]	ARC 97-710 1A128 O1 T1 SI(BOTTOM WING)11	1.000	.433	1.790	.000



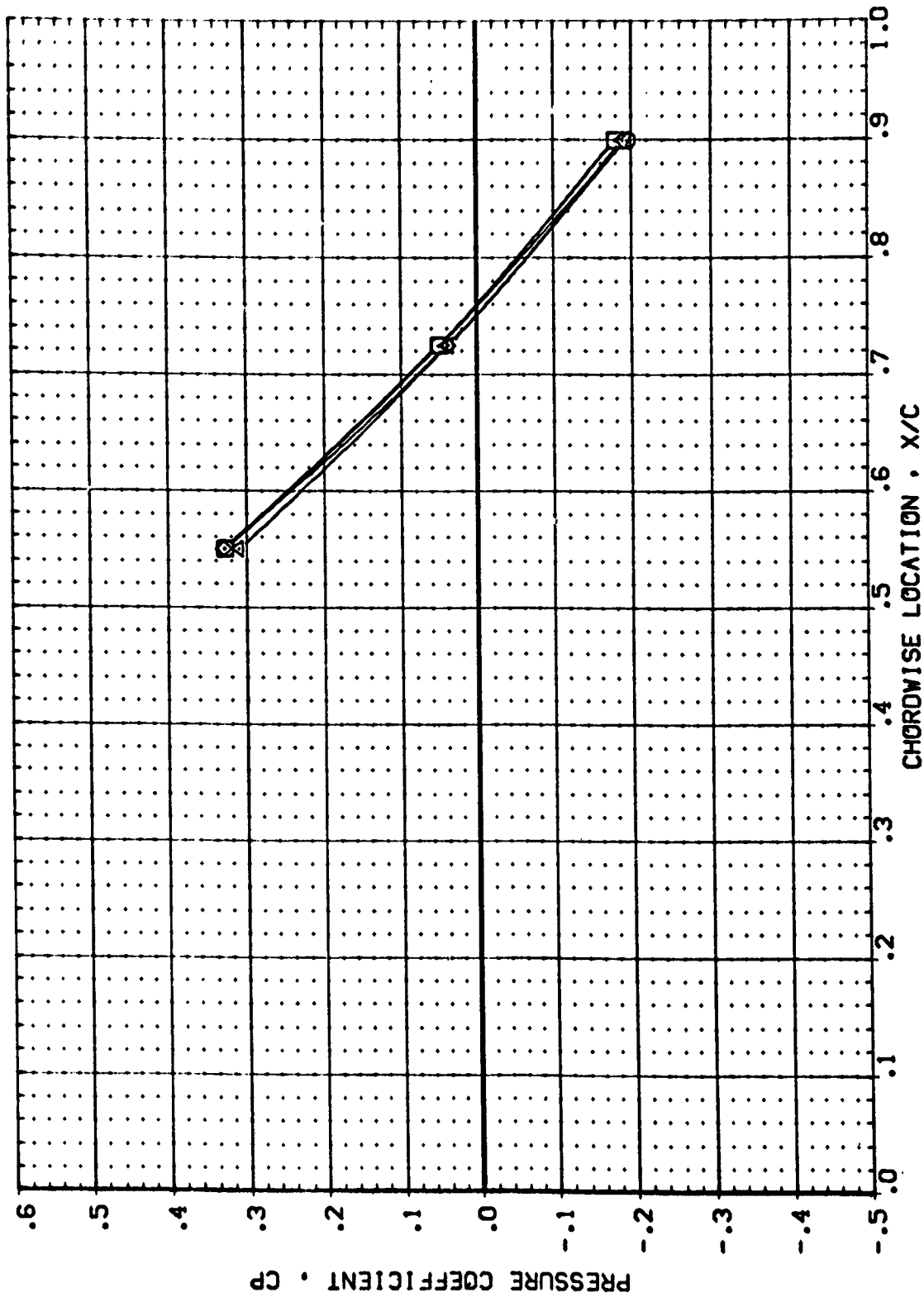
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RB/B22)	ARC 97-710	AI28 OI	TI SI(BOTTOM	VING)II
(RB/B23)	ARC 97-710	AI28 OI	TI SI(BOTTOM	VING)II
(RB/B28)	ARC 97-710	AI28 OI	TI SI(BOTTOM	VING)II
(RB/B29)	ARC 97-710	AI28 OI	TI SI(BOTTOM	VING)II

POWER	OPR	SMRPR	RJODER
.000	.433	.469	.000
1.000	.433	1.050	.000
1.000	.433	1.790	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

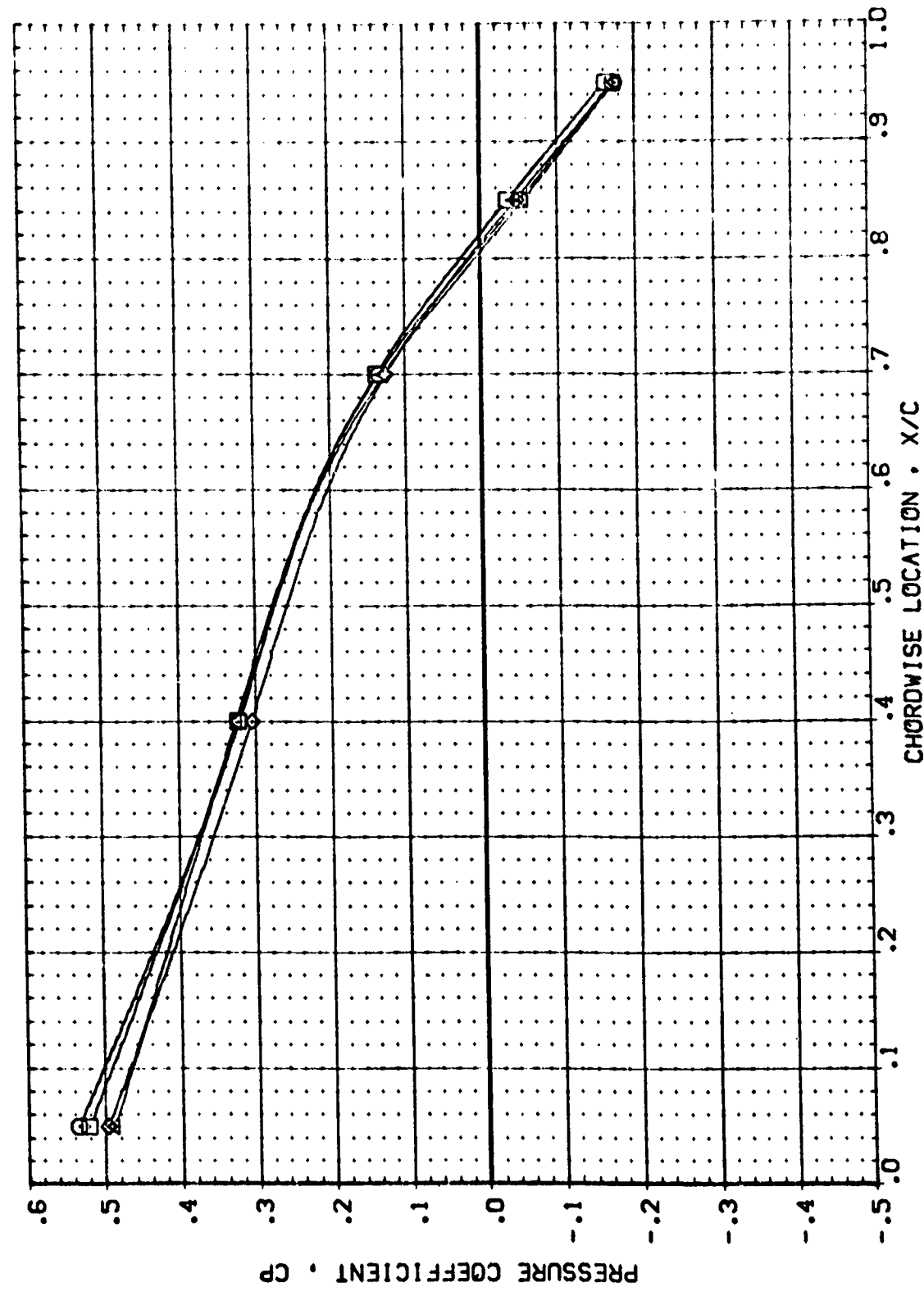
MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RB/B22)	ARC 97-710	AI28	01	T1	S1(BOTTOM VING)11
(RB/B23)	ARC 97-710	AI28	01	T1	S1(BOTTOM VING)11
(RB/B28)	ARC 97-710	AI28	01	T1	S1(BOTTOM VING)11
(RB/B29)	ARC 97-710	AI28	01	T1	S1(BOTTOM VING)11

POWER QPR SRMPR RJOER

.000	.433	.469	.000
1.000	.433	1.053	.000
1.000	.433	1.790	.000



CHORDWISE LOCATION, X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

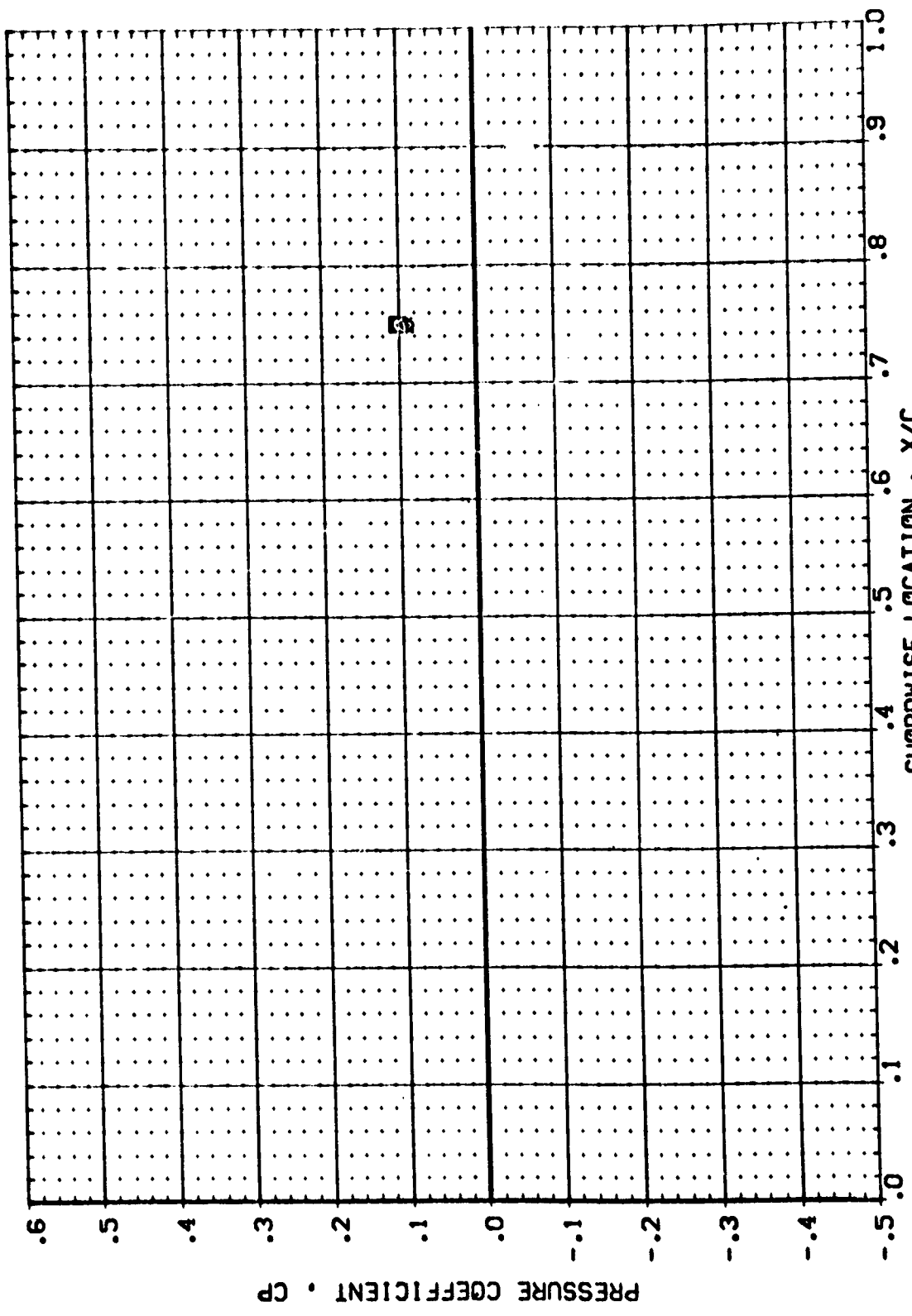
MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822)	ARC 97-710	AI28	01	T1	SI(BOTTOM WING)11
(RBV823)	ARC 97-710	AI28	01	T1	SI(BOTTOM WING)11
(RBV828)	ARC 97-710	AI28	01	T1	SI(BOTTOM WING)11
(RBV829)	ARC 97-710	AI28	01	T1	SI(BOTTOM WING)11

POWER OPR SHPR RUDDER

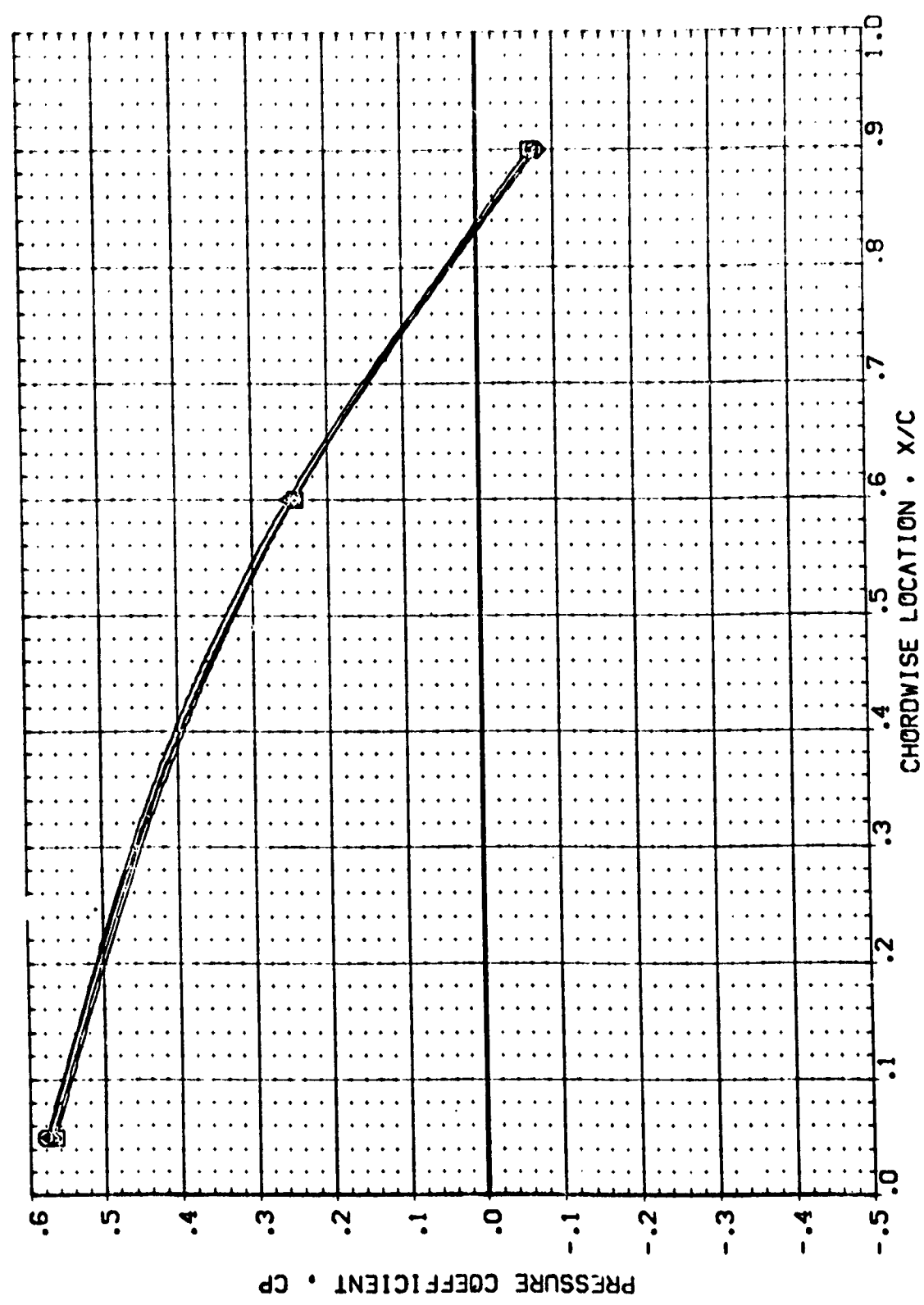
.000	.433	.469	.000
1.000	.433	1.050	.000
1.000	.433	1.790	.000



CHORDWISE LOCATION - X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(R9V822)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	.000			.000
(R9V823)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	.469	.000
(R9V828)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.000	.000
(R9V829)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	1.000	.433	1.750	.000

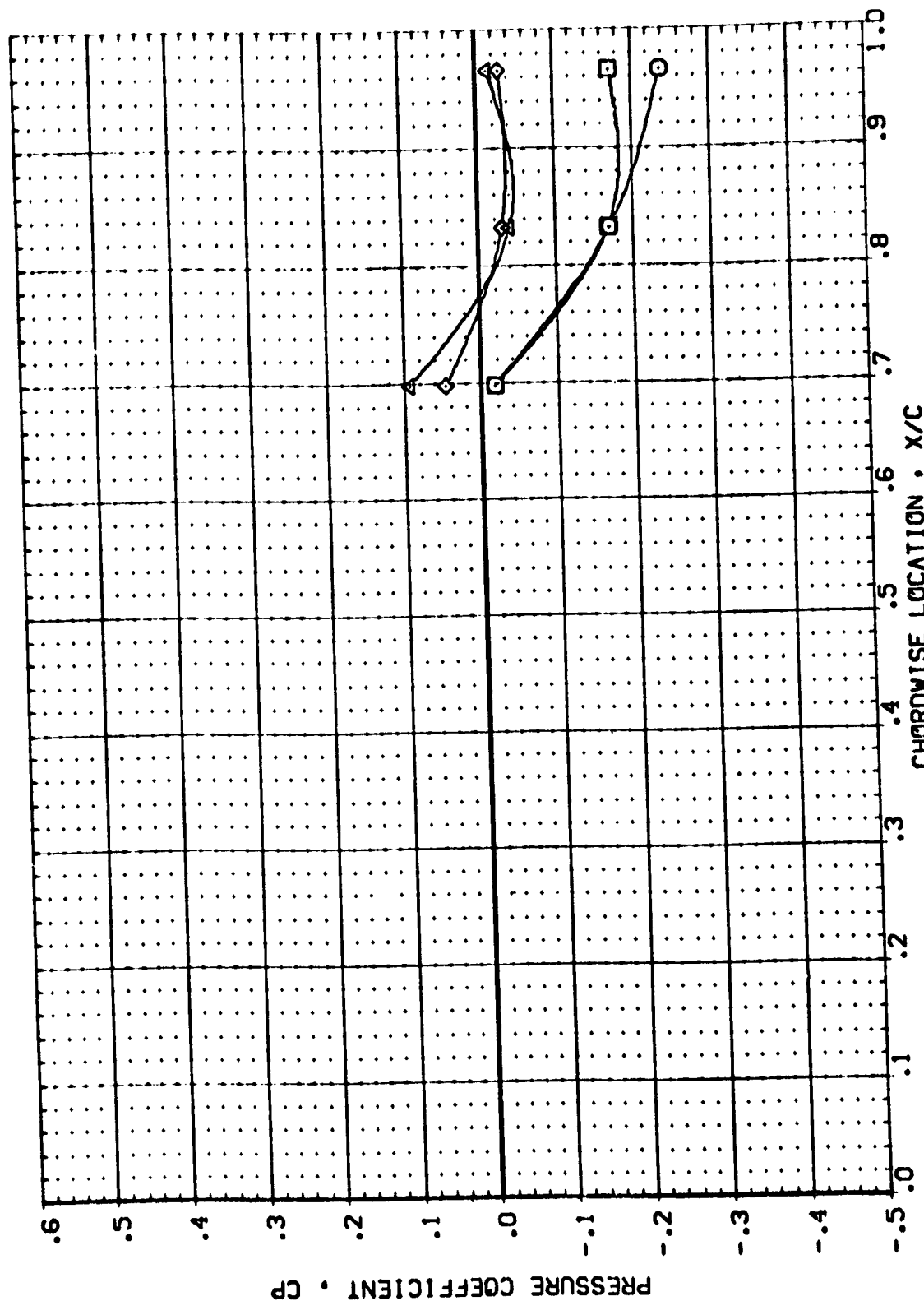


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .887 PAGE 54

POWER DPR SMPR PJDDER
 .000 .409 .557 .000
 1.000 .409 1.245 .000
 1.000 .409 2.128 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [RBV/B21] ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 [RBV/B29] ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 [RBV/B31] ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 [RBV/B33] ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]



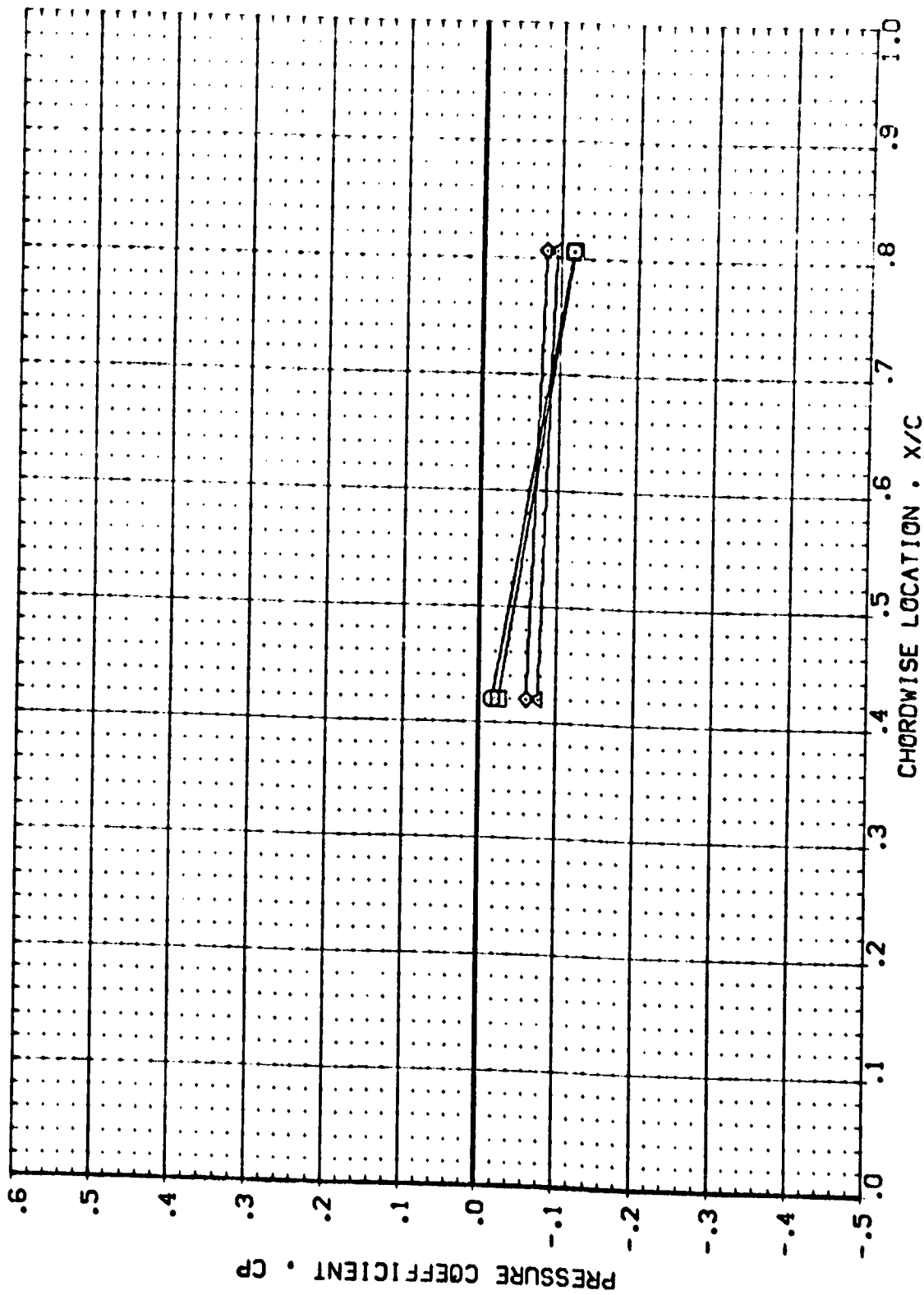
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV21)	ARC 97-710	AI28	CI	TI	SI(BOTTOM	VING)
(RBV29)	ARC 97-710	AI28	CI	TI	SI(BOTTOM	VING)
(RBV31)	ARC 97-710	AI28	CI	TI	SI(BOTTOM	VING)
(RBV33)	ARC 97-710	AI28	CI	TI	SI(BOTTOM	VING)

POWER	DPR	SNMPR	RJODER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

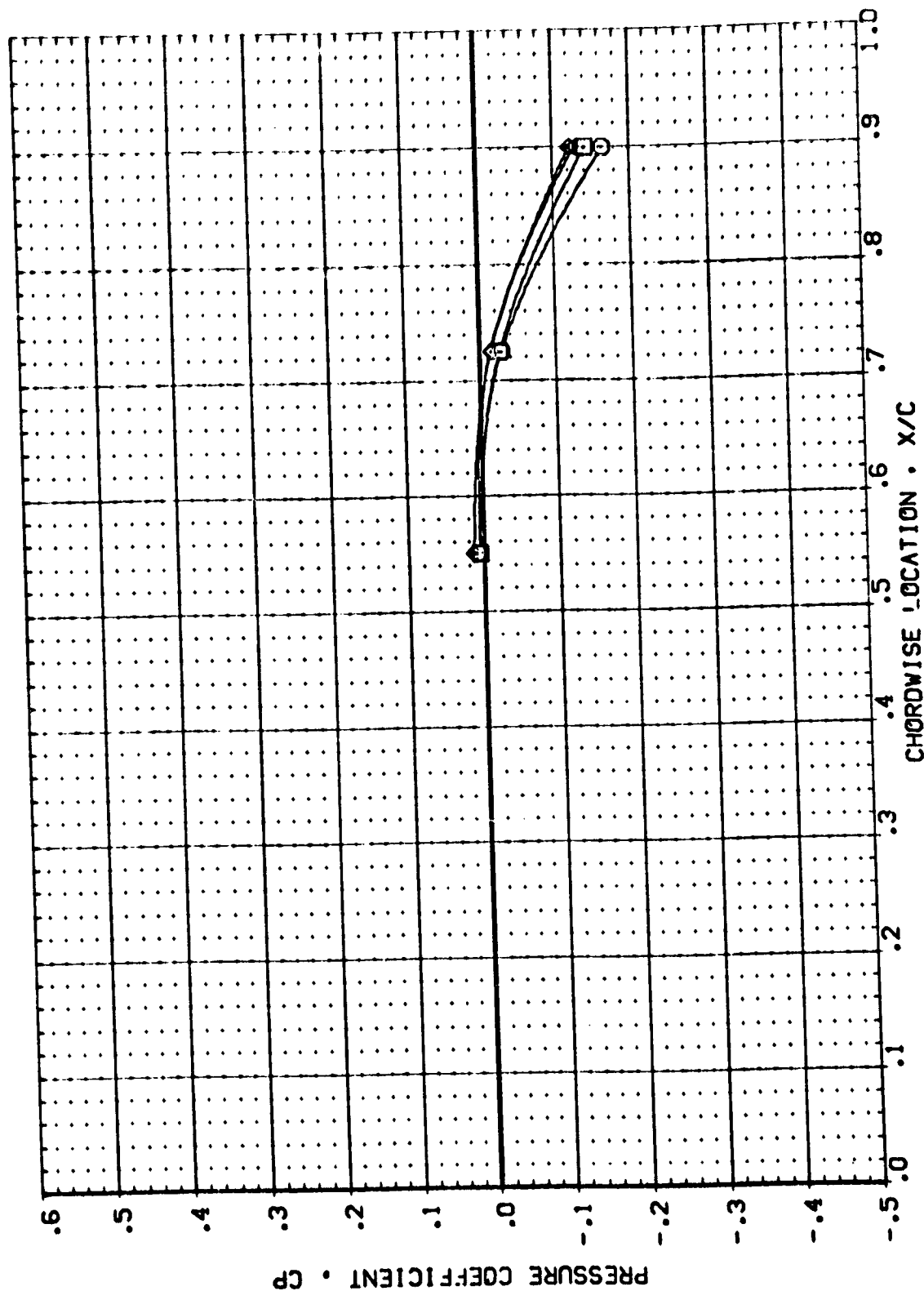


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .427

POWER	OPR	SWPR	RUDDER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

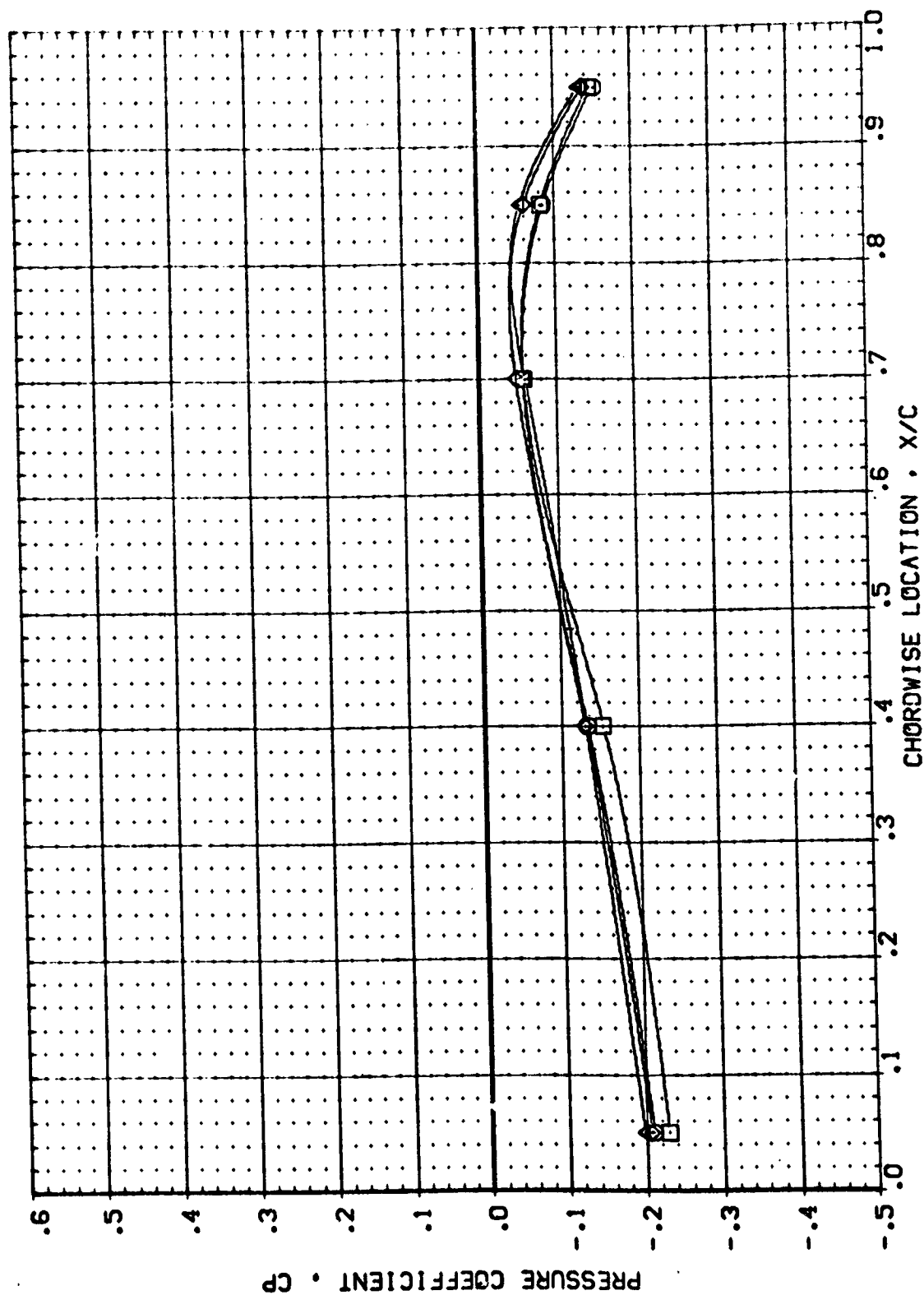
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RSV821)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
(RSV829)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
(RSV831)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
(RSV830)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL	POWER	OPR	SRMPR	RUDDER
RSV821	.000	.409	.557	.000
RSV829	1.000	.409	1.245	.000
RSV831	1.000	.409	2.128	.000

CONFIGURATION DESCRIPTION
ARC 37-710 AI28 CI TI SI(BOTTOM VING)II
ARC 37-710 AI28 CI TI SI(BOTTOM VING)II
ARC 37-710 AI28 CI TI SI(BOTTOM VING)II



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

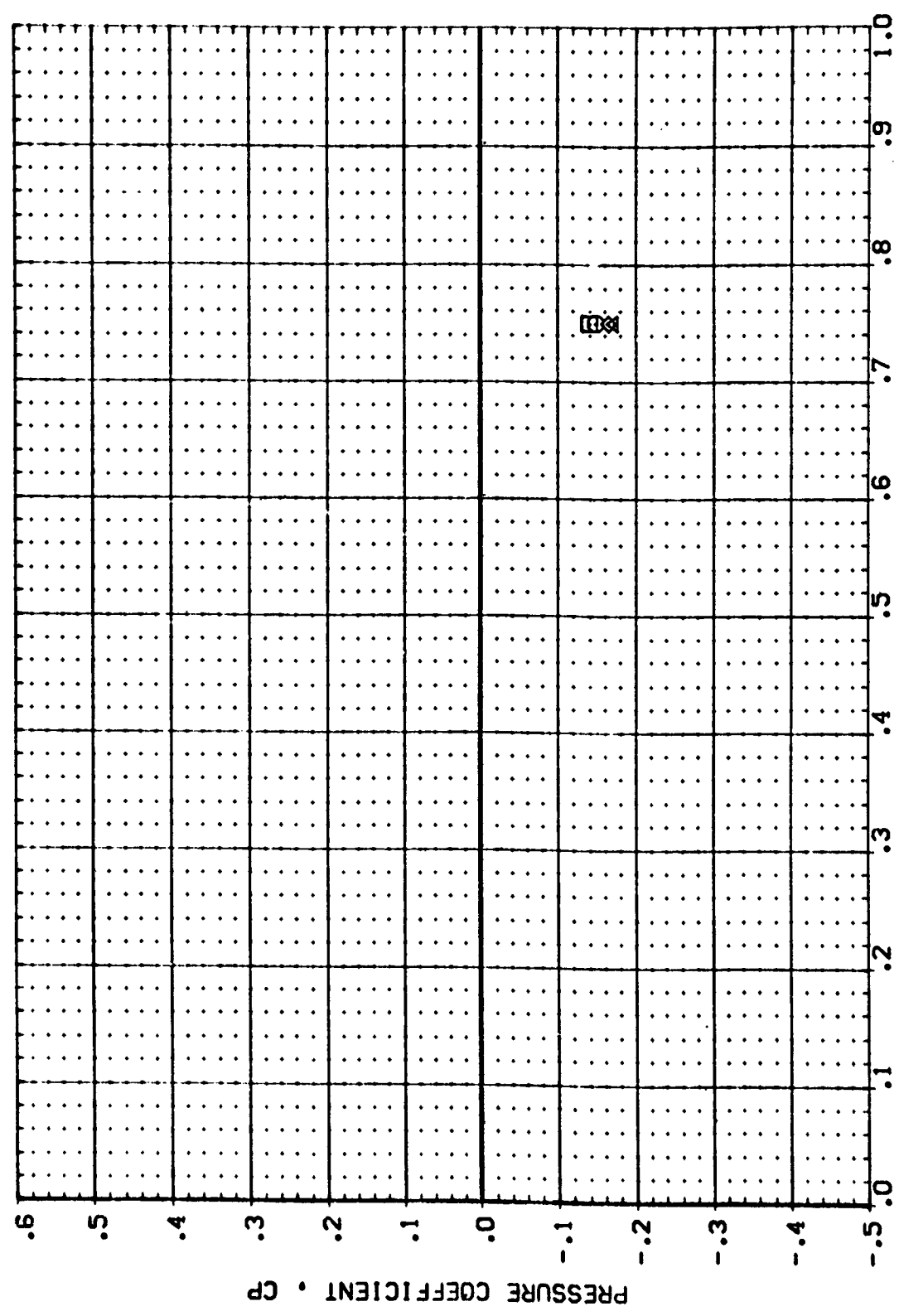
MACH = 2.000 ALPHA = -7.520 EIA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV21)	ARC 97-710	A128 01	T1	S1(BOTTOM WING)11
(RBV29)	ARC 97-710	A128 01	T1	S1(BOTTOM WING)11
(RBV31)	ARC 97-710	A128 01	T1	S1(BOTTOM WING)11
(RBV33)	ARC 97-710	A128 01	T1	S1(BOTTOM WING)11

POWER QPR SRMPR RUDDER

.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000



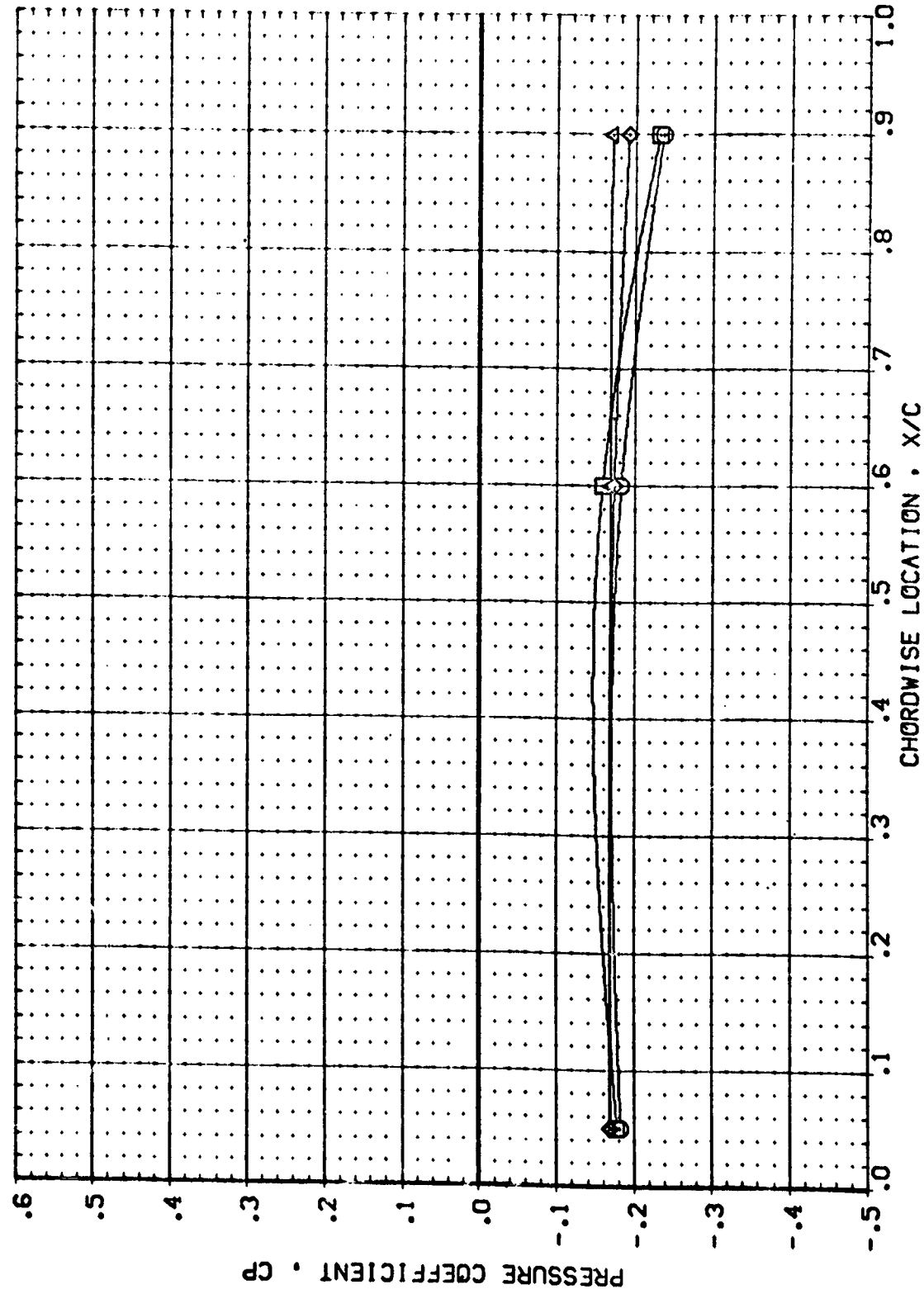
CHORDWISE LOCATION • X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[RSUB21]	ARC 97-710 [A128 Q1 T1 S1(BOTTOM VING)]
[RSUBCS]	ARC 97-710 [A128 Q1 T1 S1(BOTTOM VING)]
[RSUB31]	ARC 97-710 [A128 Q1 T1 S1(BOTTOM VING)]
[RSUB30]	ARC 97-710 [A128 Q1 T1 S1(BOTTOM VING)]

POWER	QPR	SRMPR	RJDDER
.000	.409		.000
1.000	.557		.000
1.000	1.245		.000
1.000	2.128		.000

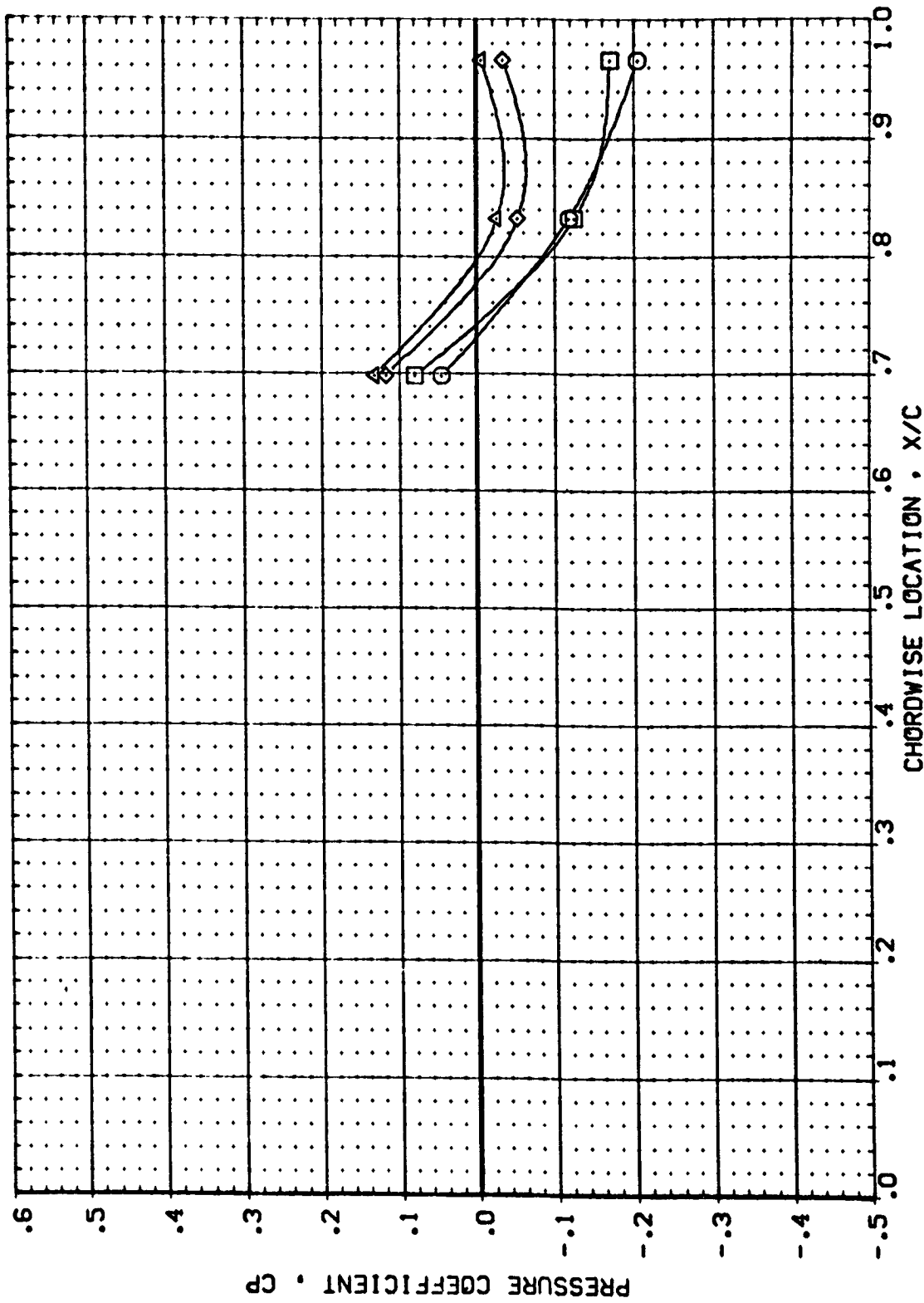


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 1A128 O1 T1 S1(BOTTOM VING)11
 (RBV829) ARC 97-710 1A128 O1 T1 S1(BOTTOM VING)11
 (RBV831) ARC 97-710 1A128 O1 T1 S1(BOTTOM VING)11
 (RBV830) ARC 97-710 1A128 O1 T1 S1(BOTTOM VING)11

POWER OPR SRMPR RJODER
 .000 .409 .557 .000
 1.000 1.245 .000
 1.000 2.128 .000



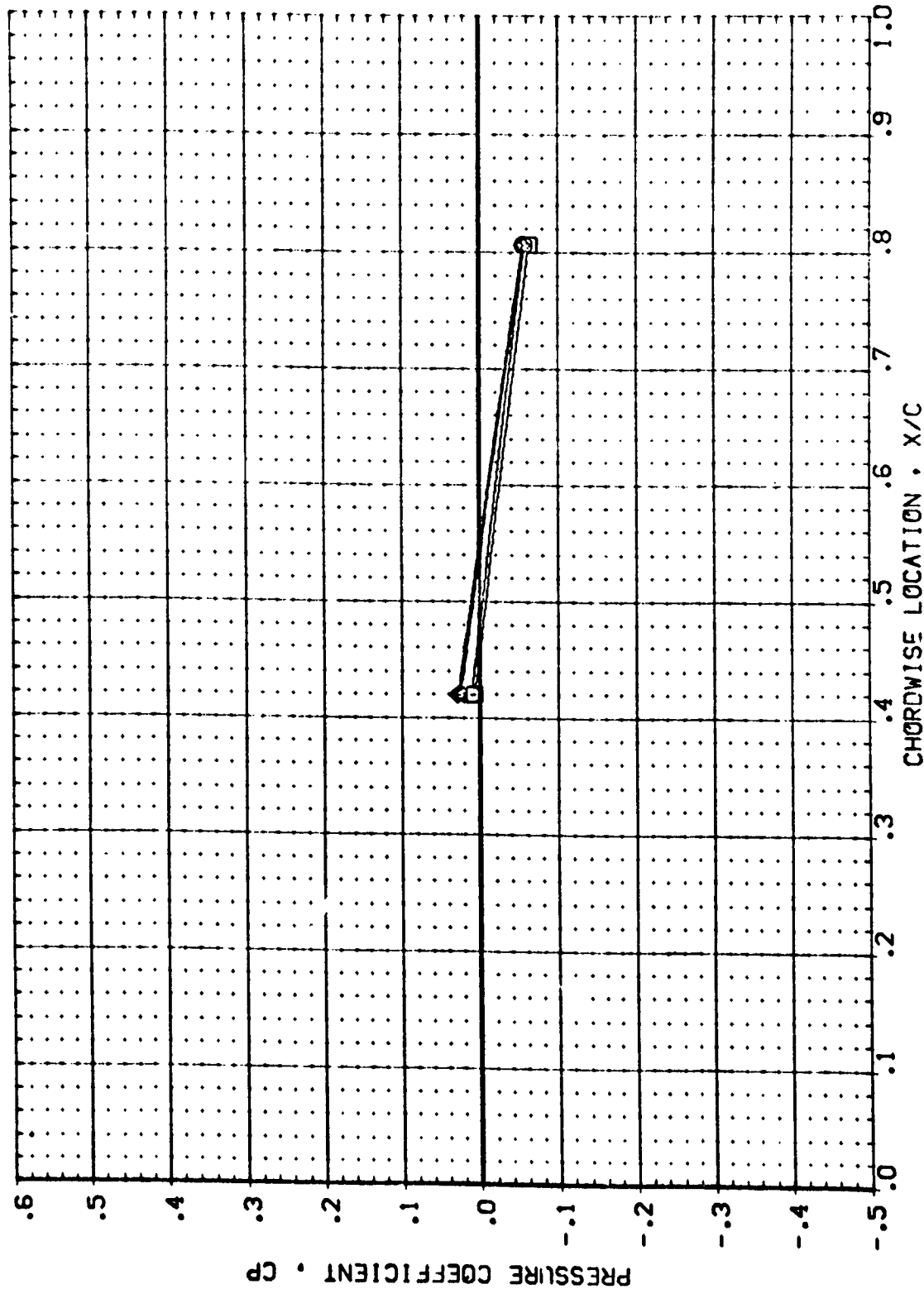
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821)	ARC 97-710	AI28	01	TI	SI(BOTTOM VING)11
(RBV829)	ARC 97-710	AI28	01	TI	SI(BOTTOM VING)11
(RBV831)	ARC 97-710	AI28	01	TI	SI(BOTTOM VING)11
(RBV833)	ARC 97-710	AI28	01	TI	SI(BOTTOM VING)11

POWER	OPR	SMPR	R_DOWN
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000



CHORDWISE LOCATION • X/C

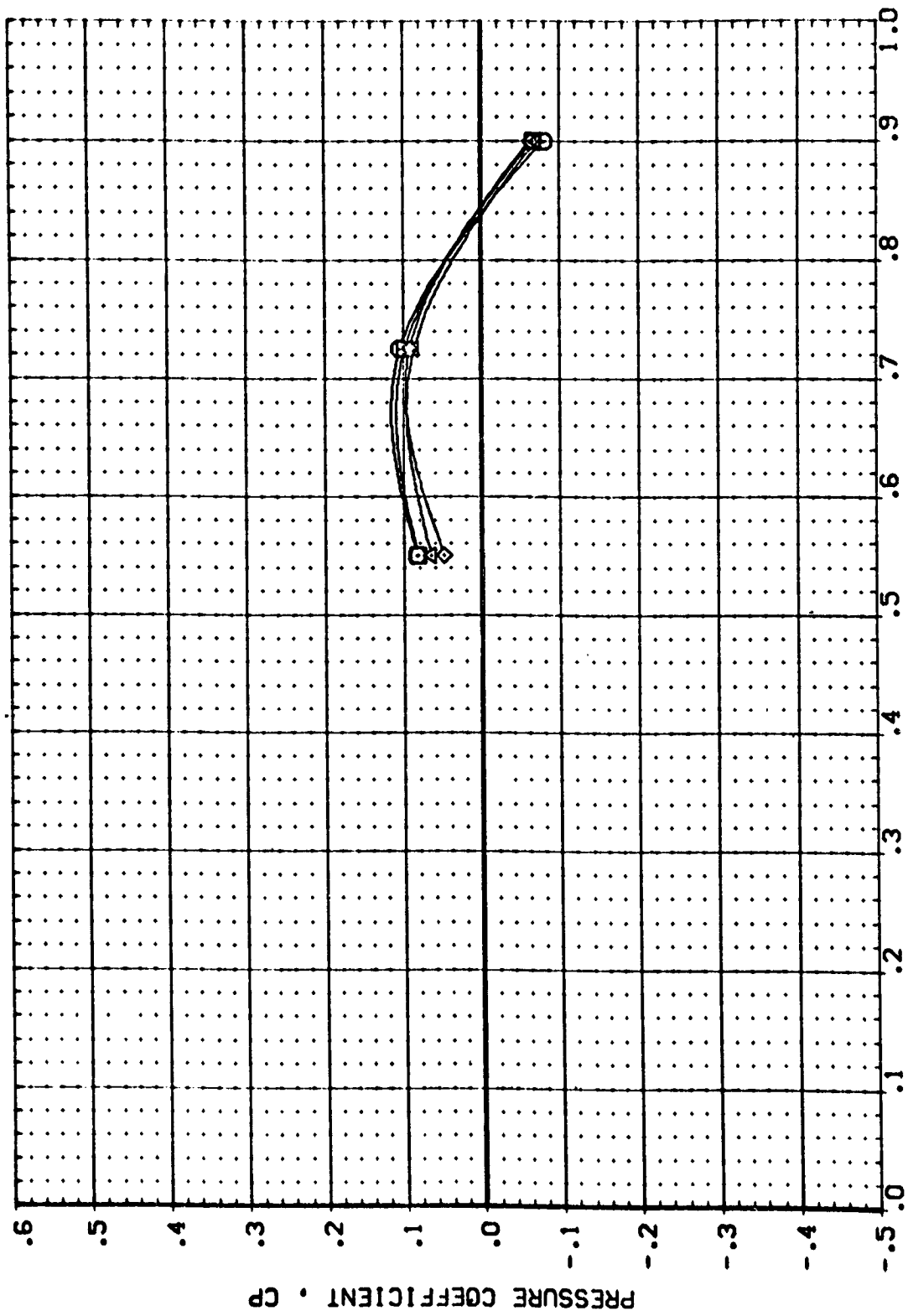
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RBV829)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RBV831)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RBV833)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

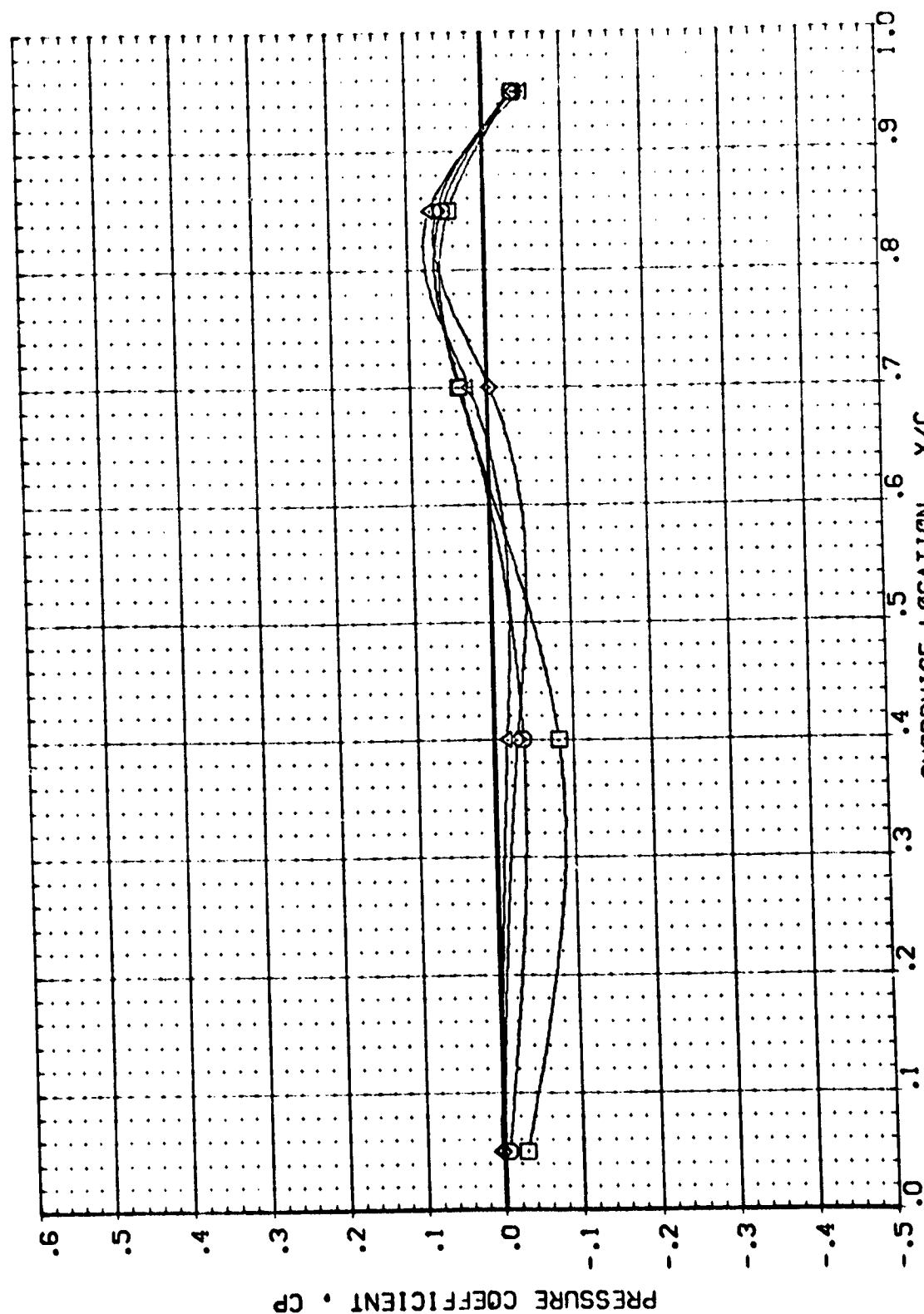
POWER	OPR	SRMPR	RUDDER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

POWER	OPR	SRMPR	RUDER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
981821	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
981829	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
981831	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
981832	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

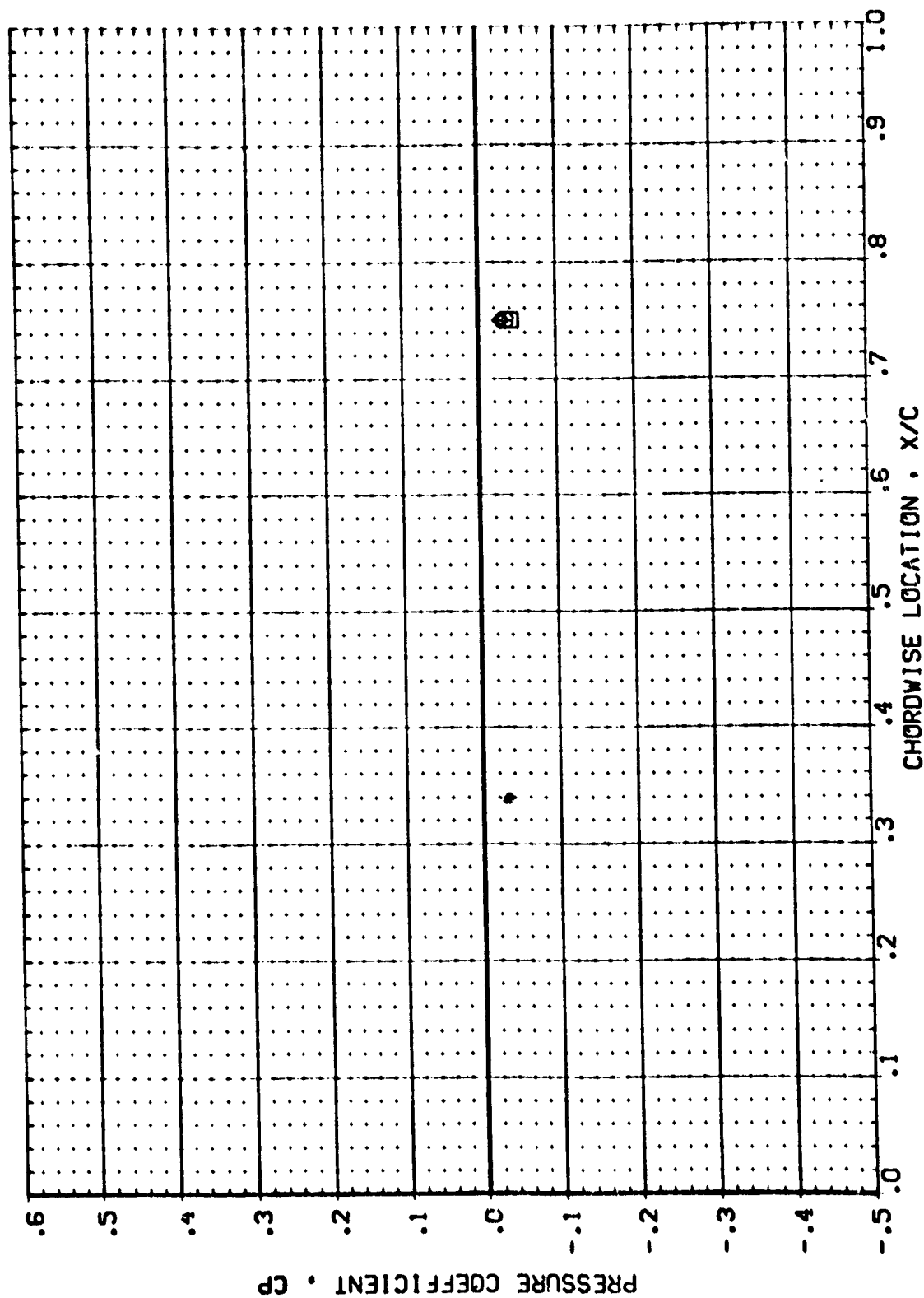


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (98VB2.1) [A128 0] T1 S1(BOTTOM WING) [1]
 (98VB2.2) [A128 0] T1 S1(BOTTOM WING) [1]
 (98VB2.3) [A128 0] T1 S1(BOTTOM WING) [1]
 (98VB2.4) [A128 0] T1 S1(BOTTOM WING) [1]
 (98VB2.5) [A128 0] T1 S1(BOTTOM WING) [1]

POWER QPR SRPR RJODER
 .000 .409 .557 .000
 1.000 .409 1.245 .000
 1.000 .409 2.128 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

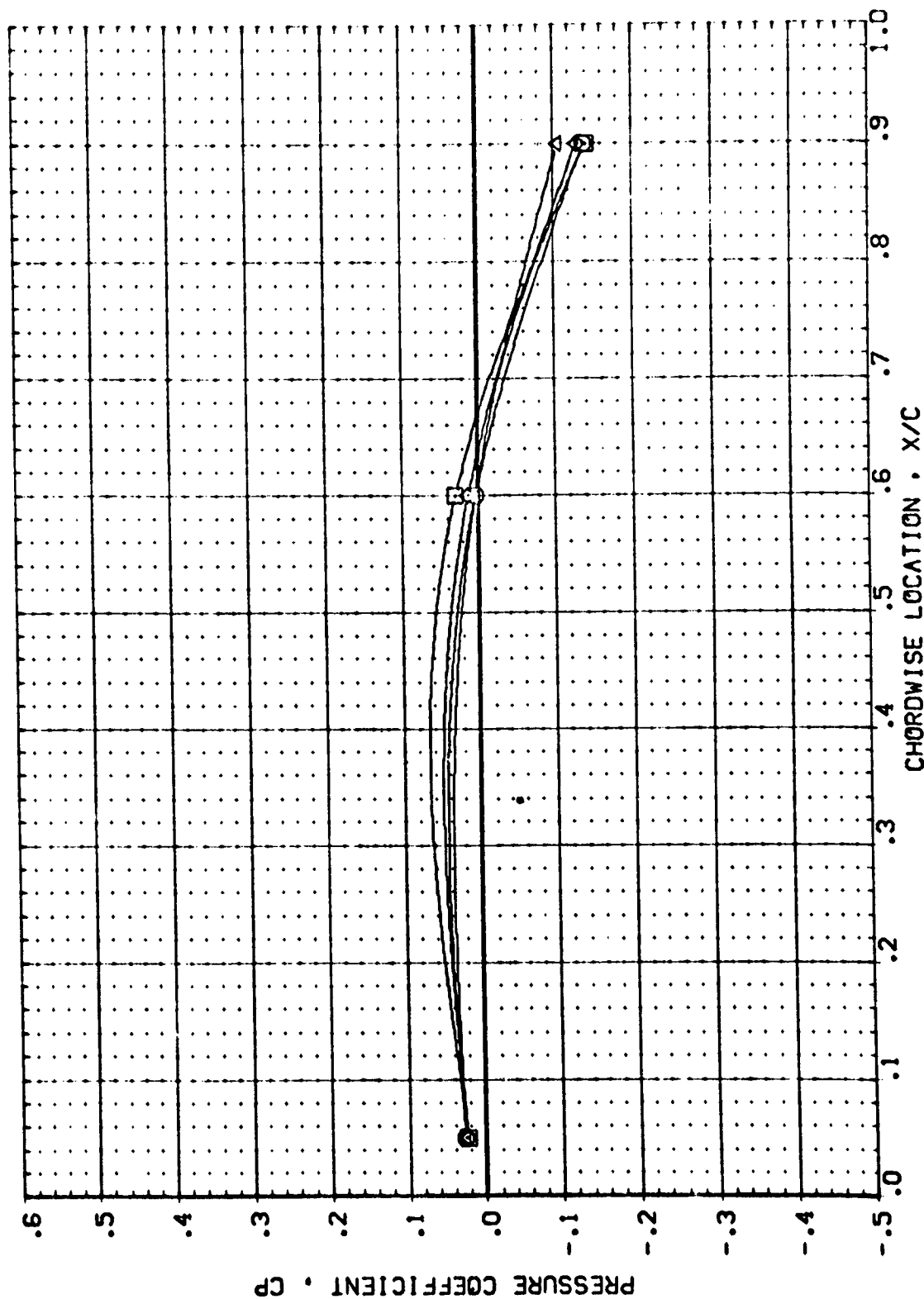
MACH = 2.000 ALPHA = .440 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821)	ARC 97-710	[A128 01 T1 S1(BOTTOM VING)]
(RBV829)	ARC 97-710	[A128 01 T1 S1(BOTTOM VING)]
(RBV831)	ARC 97-710	[A128 01 T1 S1(BOTTOM VING)]
(RBV830)	ARC 97-710	[A128 01 T1 S1(BOTTOM VING)]

POWER DPR SRMPR RUDDER

.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000



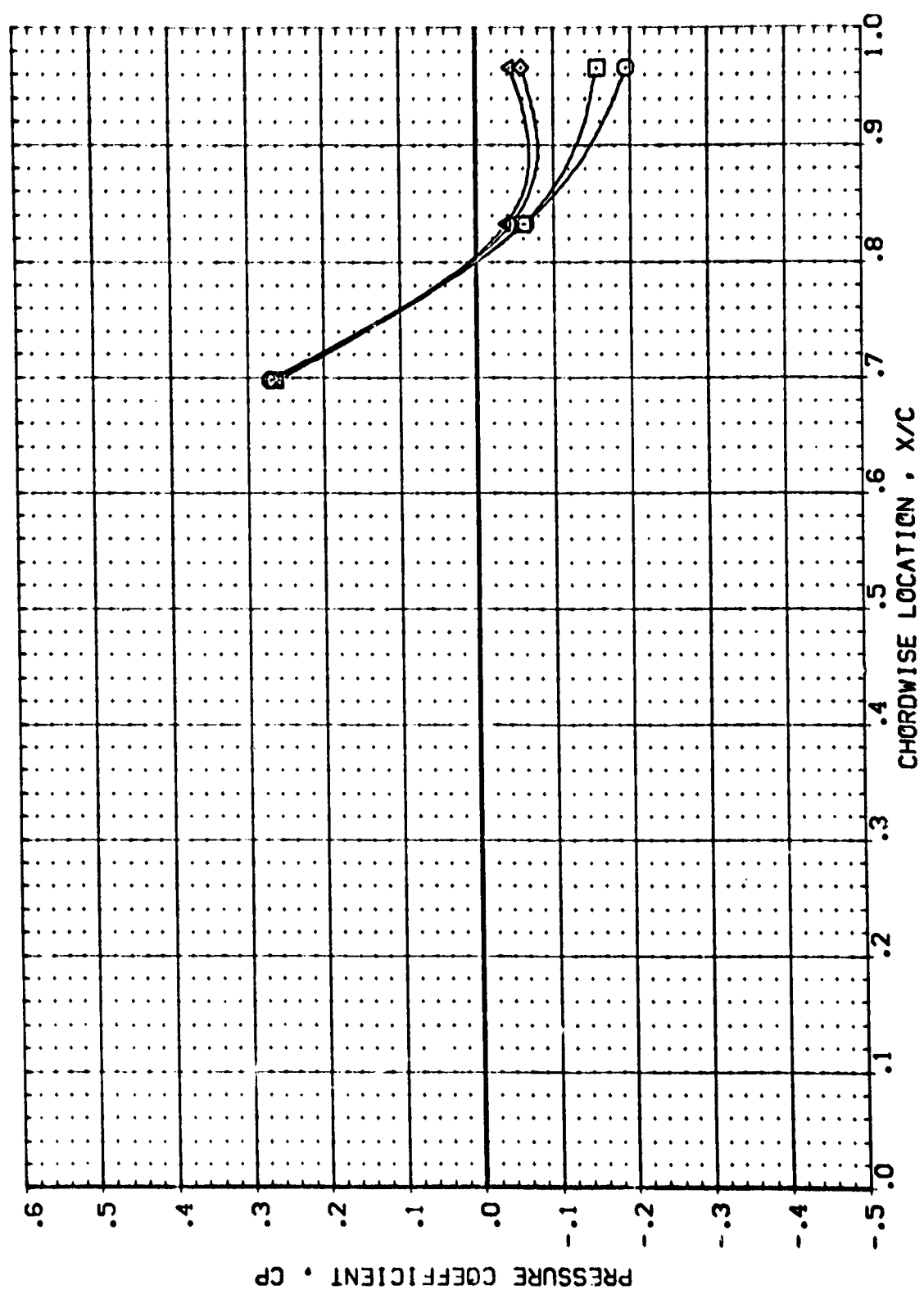
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .887 PAGE 66

DATA SET SYMBOL CONFIGURATION DESCRIPTION

RC91821	ARC 97-710	AI:28	01	T1	S1(BOTTOM VING)11
RC91829	ARC 97-710	AI:28	01	T1	S1(BOTTOM VING)11
RC91831	ARC 97-710	AI:28	01	T1	S1(BOTTOM VING)11
RC91830	ARC 97-710	AI:28	01	T1	S1(BOTTOM VING)11

POWER	CPR	SRMPR	RJODER
.000	.409	.557	.000
.000	.409	1.245	.000
.000	.409	2.128	.000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

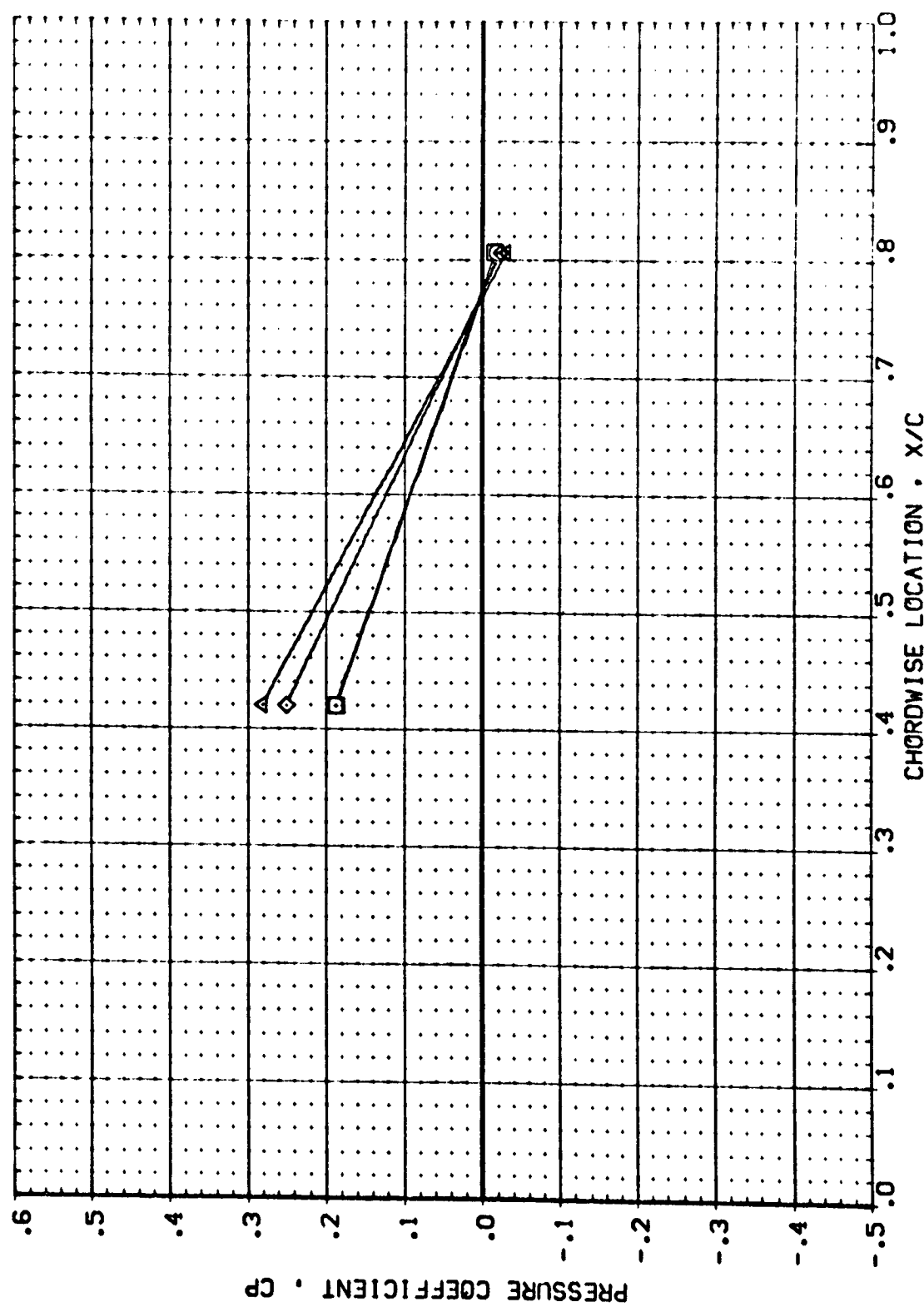
MACH = 2.000 ALPHA = 8.450 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821)	ARC 97-710	AI128	CI	TI	SI(BOTTOM WING)11
(RBV829)	ARC 97-710	AI128	CI	TI	SI(BOTTOM WING)11
(RBV831)	ARC 97-710	AI128	CI	TI	SI(BOTTOM WING)11
(RBV830)	ARC 97-710	AI128	CI	TI	SI(BOTTOM WING)11

POWER QPR SRPR R_ODDER

.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000



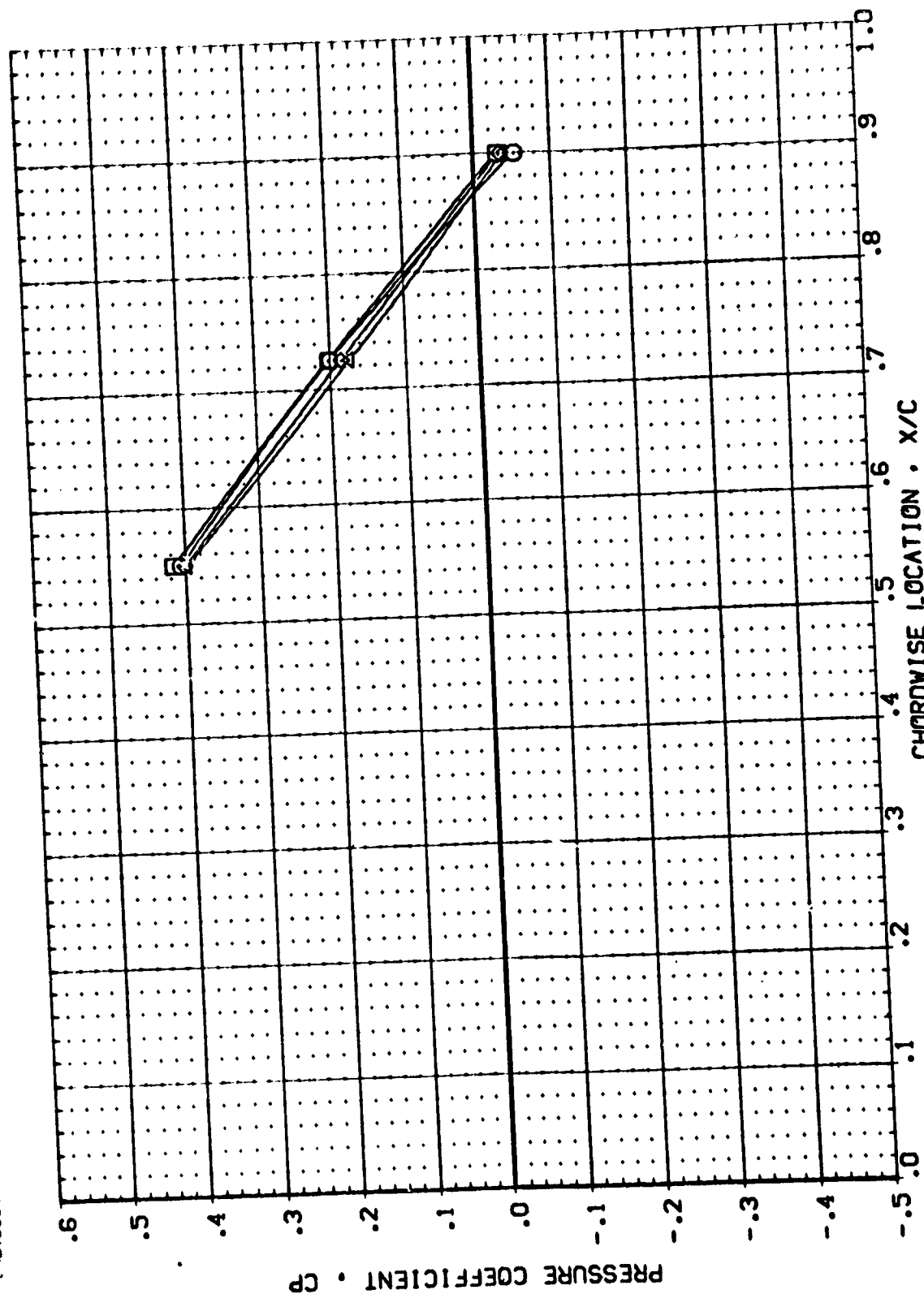
CHORDWISE LOCATION · X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .427

POWER	DPR	SMPR	RUDDER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
RCV821	ARC 97-710 A128 C1 T1 S1(BOTTOM VING)11
RCV829	ARC 97-710 A128 C1 T1 S1(BOTTOM VING)11
RCV831	ARC 97-710 A128 C1 T1 S1(BOTTOM VING)11
RCV833	ARC 97-710 A128 C1 T1 S1(BOTTOM VING)11

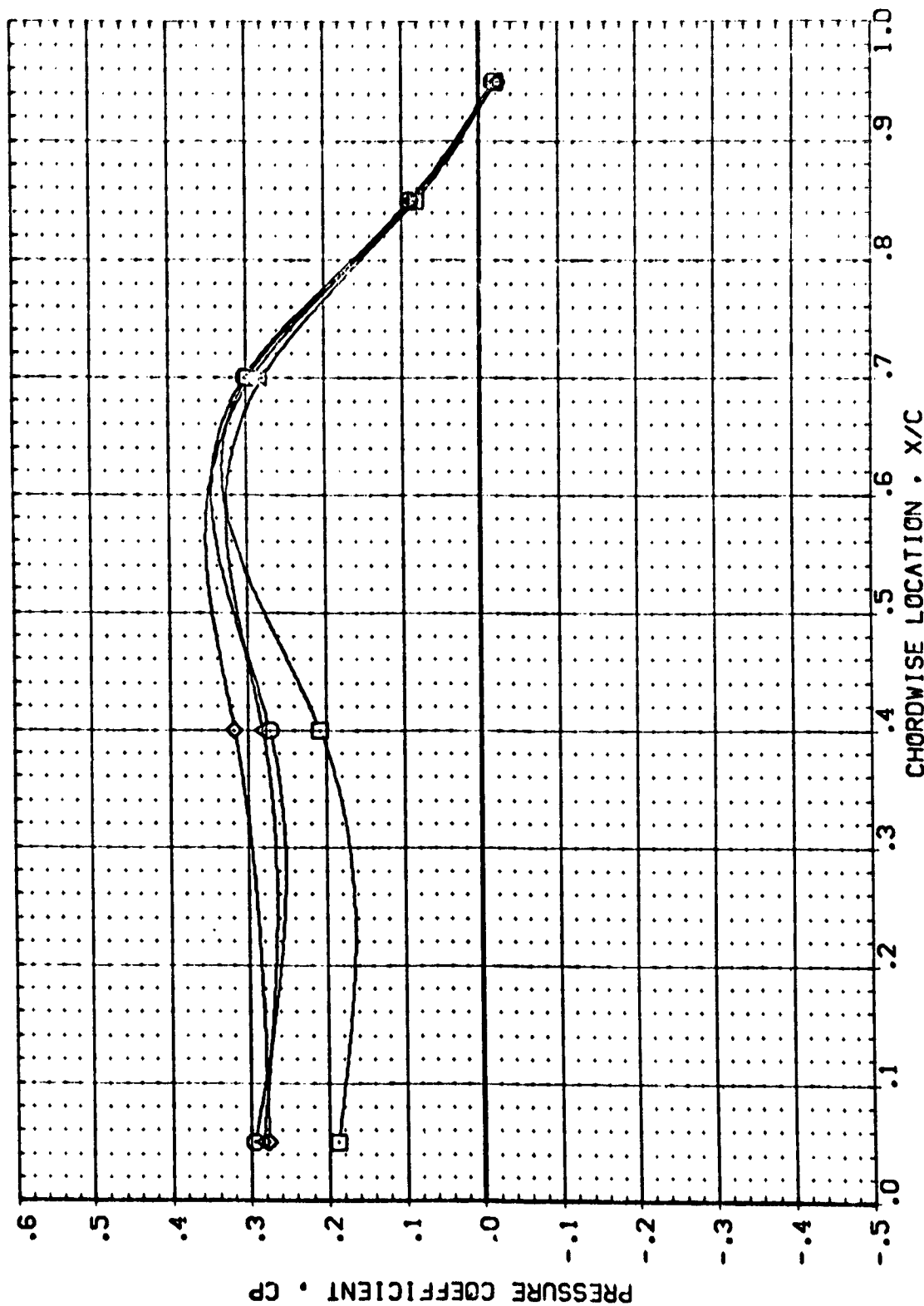


PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV92) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV93) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV94) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV95) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11

POWER .000 .409 .557 .000
 DPR .000 .409 .557 .000
 SRMPR .000 .409 .557 .000
 RUDDER .000 .409 .557 .000



PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

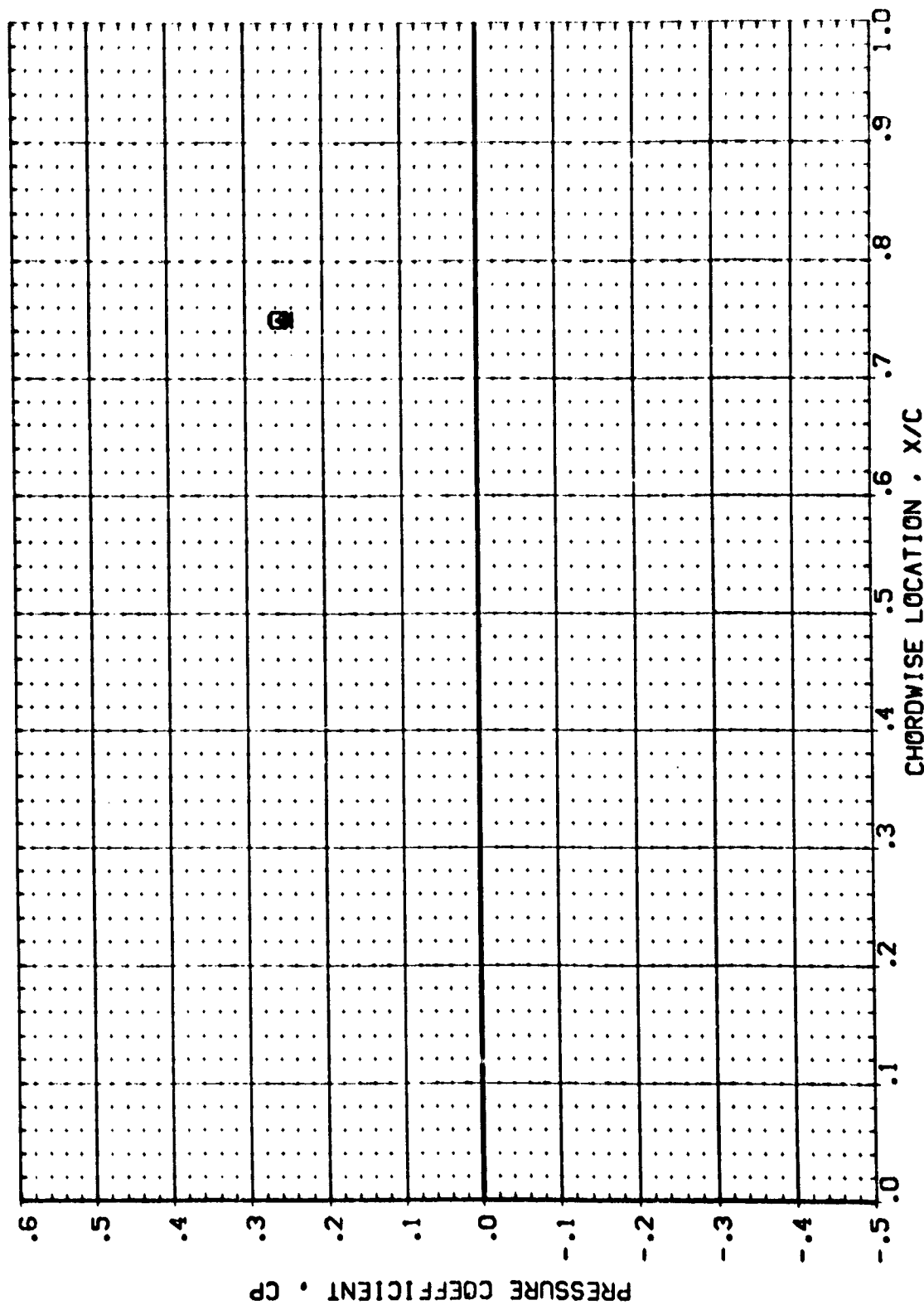
[P81821] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [P81829] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [P81831] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [P81833] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111

POWER 0.000
 1.000
 1.000
 1.000

OPR .409
 .409
 .409

SWPR .557
 1.245
 2.128

RUDER .000
 .000
 .000
 .000



CHORDWISE LOCATION : X/C

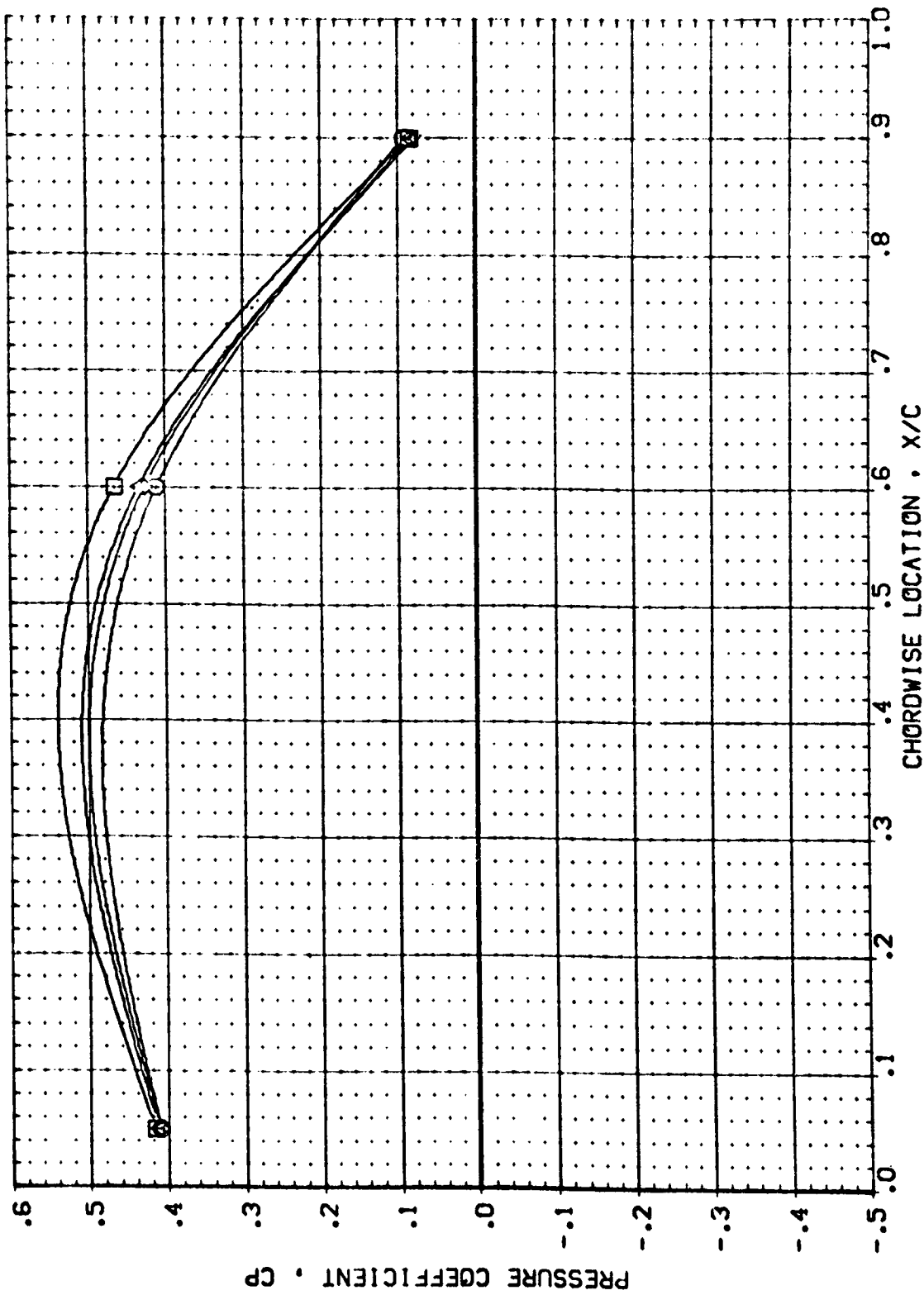
PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(P8/B21)	ARC 97-710	A128	O1	T1	SI(BOTTOM VING)11
(P8/B29)	ARC 97-710	A128	O1	T1	SI(BOTTOM VING)11
(P8/B31)	ARC 97-710	A128	O1	T1	SI(BOTTOM VING)11
(P8/B33)	ARC 97-710	A128	O1	T1	SI(BOTTOM VING)11

POWER	OPR	SRMPR	RJDOER
.000	.409	.557	.000
1.000	.409	1.245	.000
1.000	.409	2.128	.000

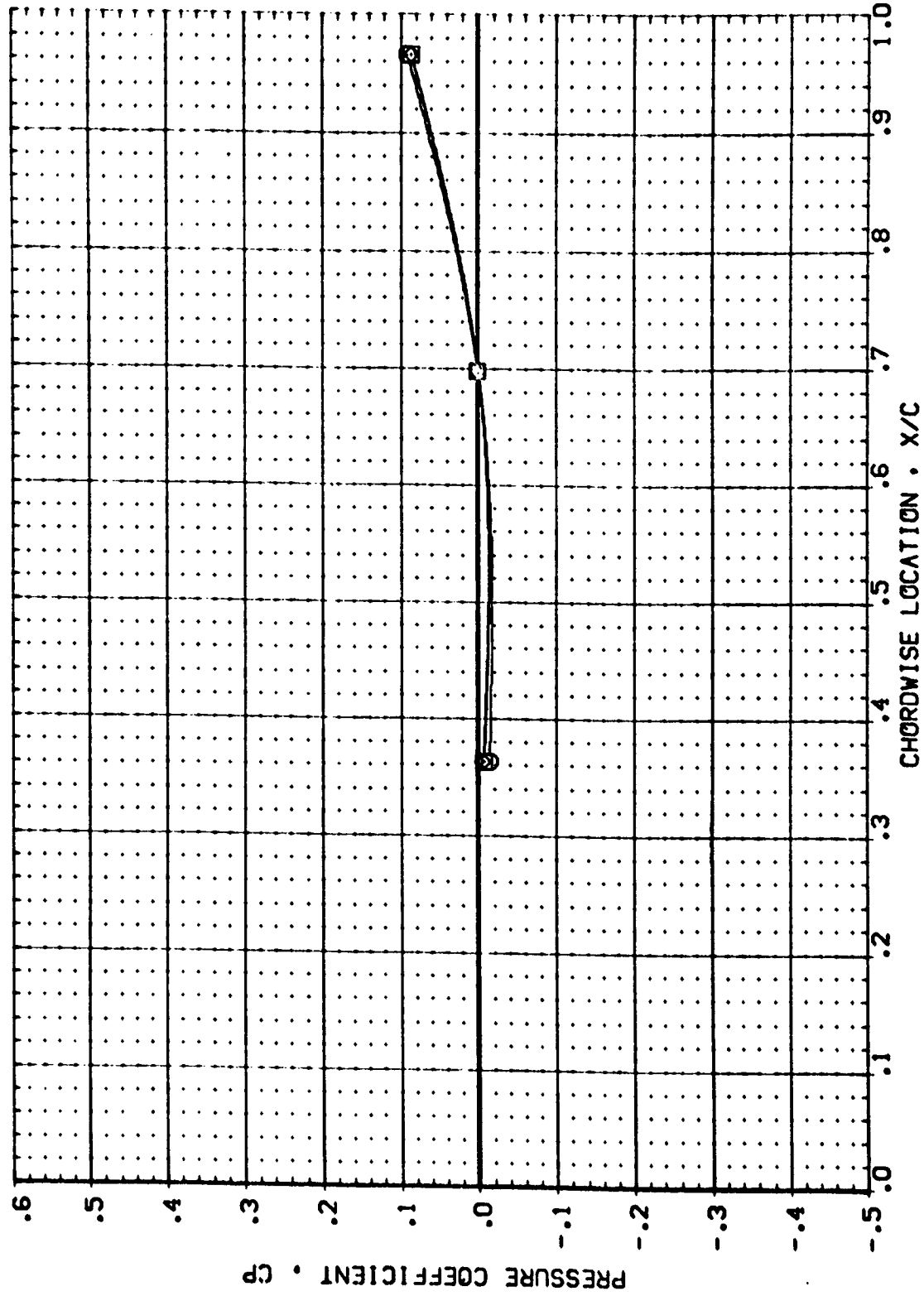


CHORDWISE LOCATION - X/C

PLUME SIZE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .887 PAGE 72

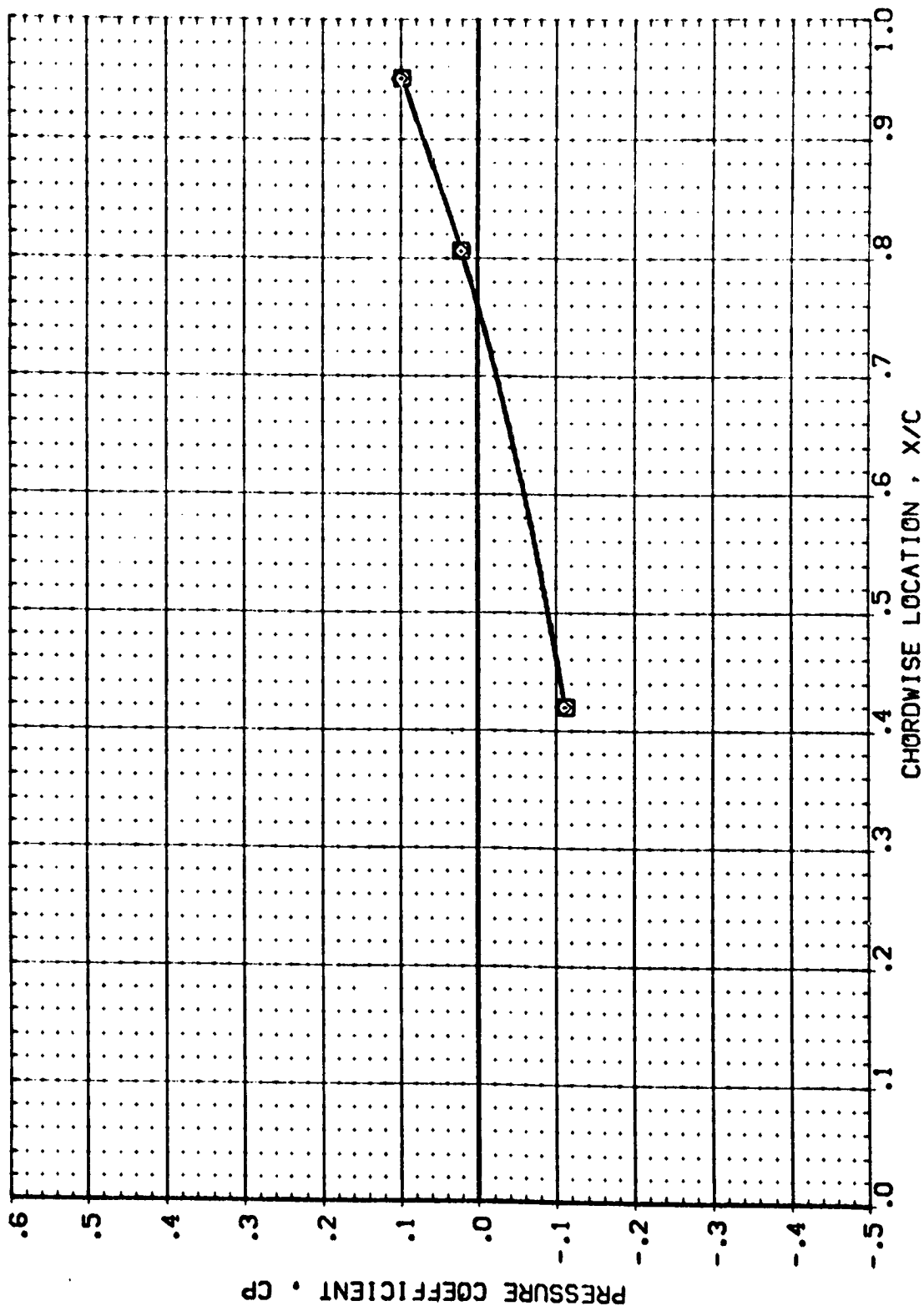
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POVER	DPR	SMRPR	RJODER
[RBVT22]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.433	.469	.000
[RBVT23]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000			.000
[RBVT24]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000		.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SMRPR	RUDDER
(RBVT22)	ARC 97-710 IAI28 CI T1 SI (TOP VING)	.000	.433	.469	.000
(RBVT23)	ARC 97-710 IAI28 CI T1 SI (TOP VING)	1.000	.433	.469	.000
(RBVT24)	ARC 97-710 IAI28 CI T1 SI (TOP VING)	1.000	.433	.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .427

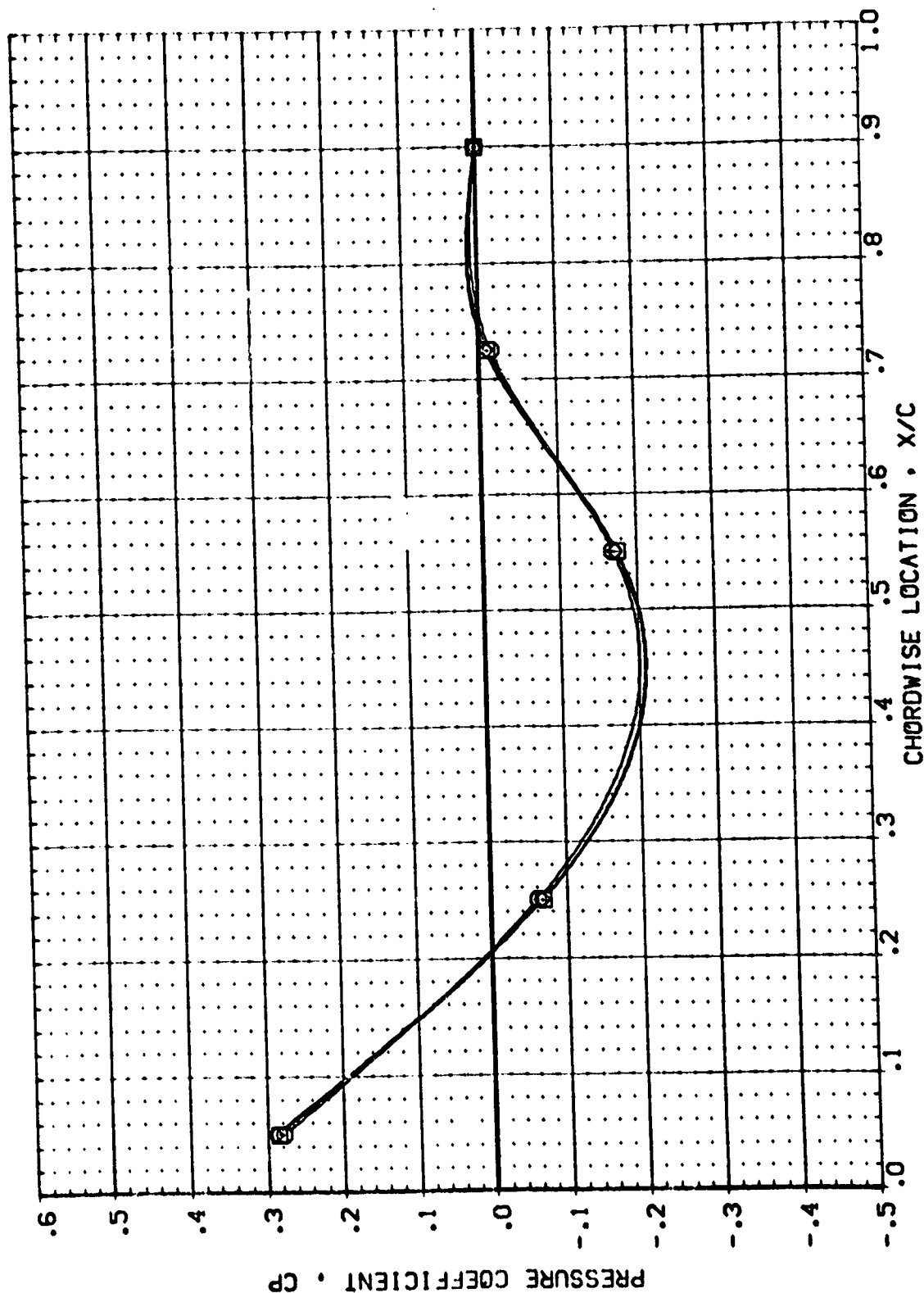
DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER C/PR S/M/R R/JODER

(RBV122) ARC 97-710 I A128 01 T1 S1 (TOP WING) 11
 (RBV123) ARC 97-710 I A128 01 T1 S1 (TOP WING) 11
 (RBV124) APC 97-713 I A128 01 T1 S1 (TOP WING) 11

.000
 .000
 1.000
 1.000

.433
 .469
 .469

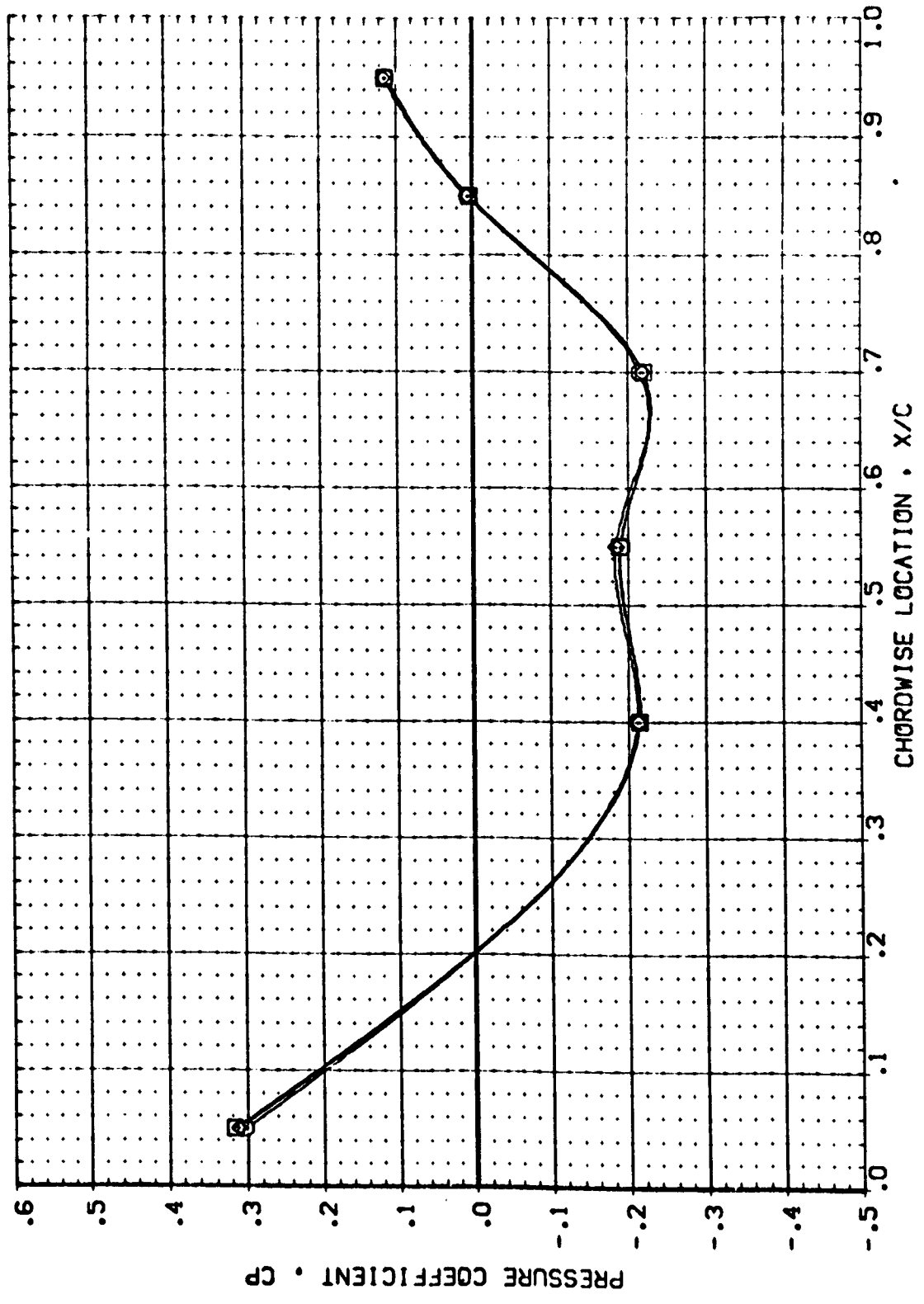
.000
 .000
 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .534

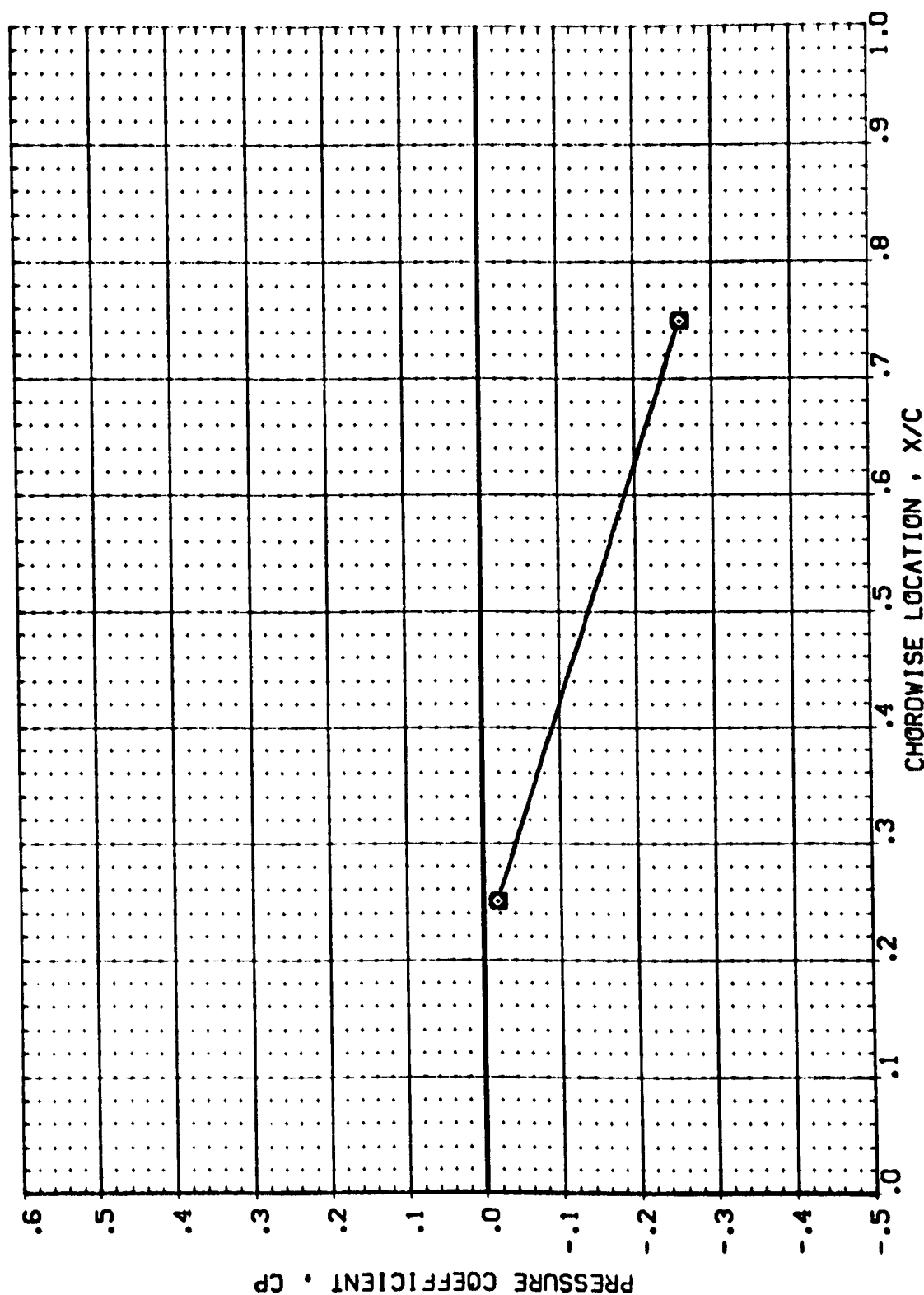
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POVER	OPR	SRMPR	RJODER
(RSVT22)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000			.000
(RSVT23)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	.469	.000
(RSVT24)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000		.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .673

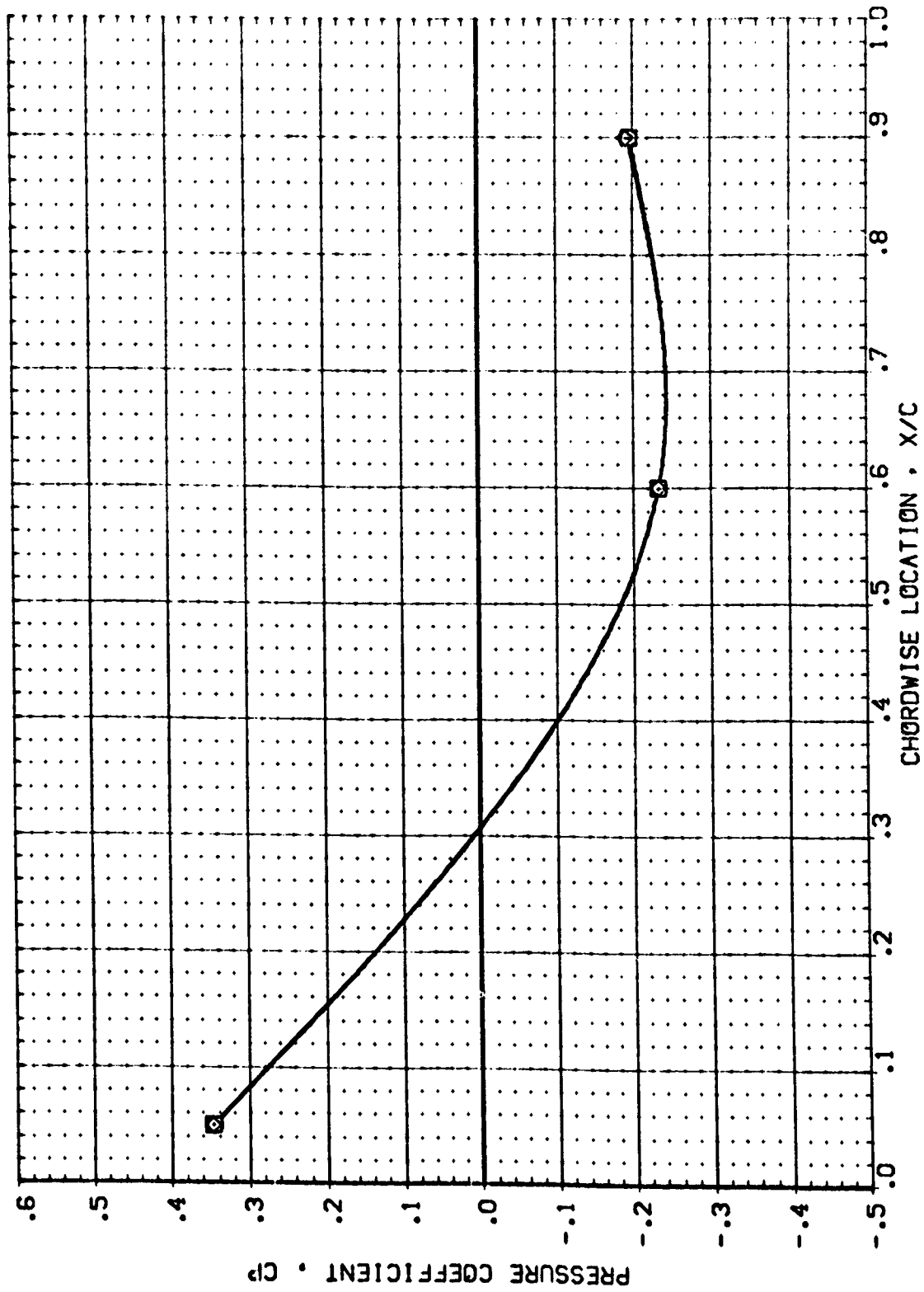
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SRMPR	RUDDER
(RBV122)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	.000			.000
(RBV123)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	1.000	.433	.469	.000
(RBV124)	ARC 97-710 [A128 C1 T1 S1 (TOP VING)]	1.000		.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .780

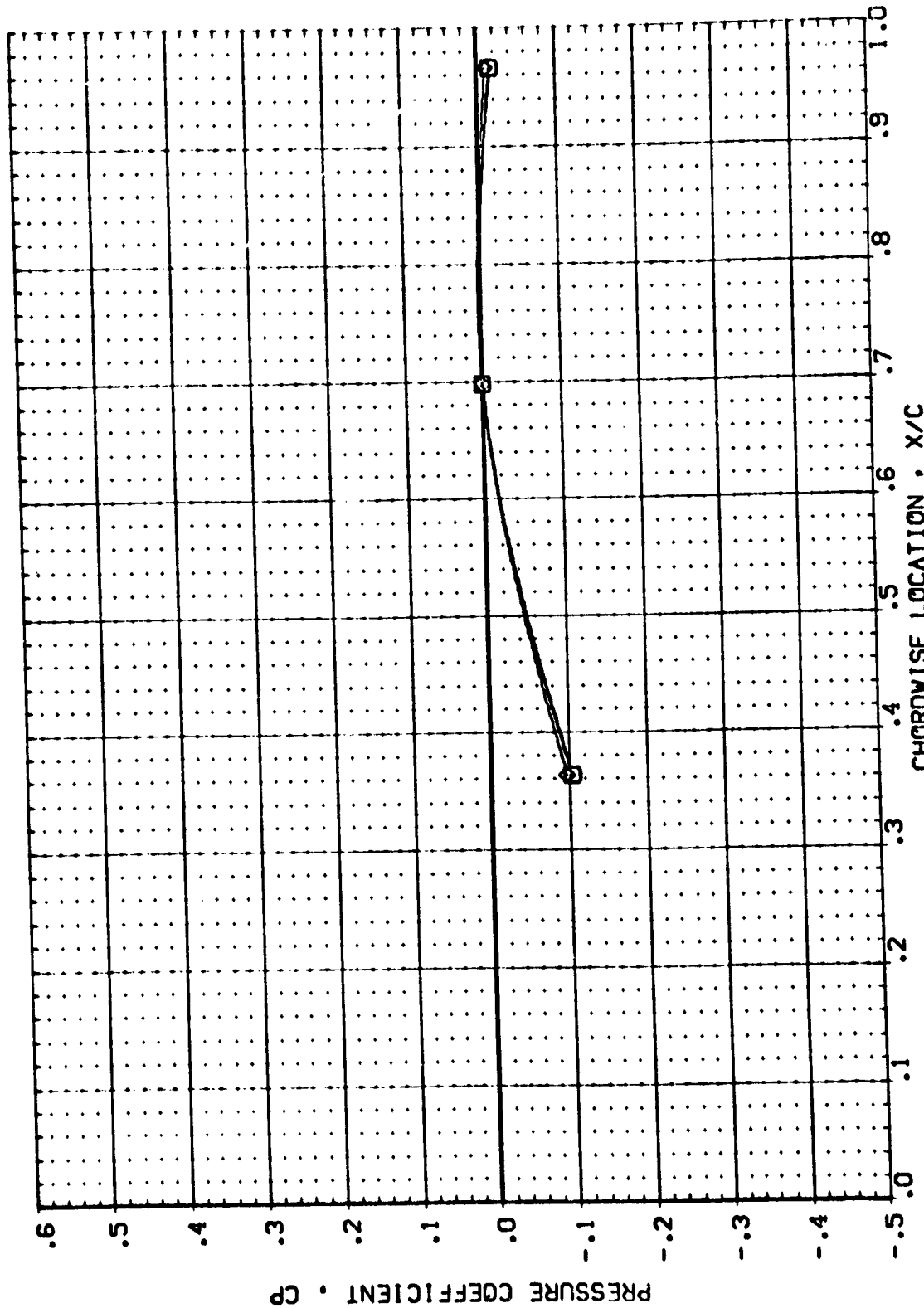
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
(RBVT23)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	.000			.000
(RBVT23)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	1.000	.433	.469	.000
(RBVT24)	ARC 97-710 [A128 Q1 T1 S1 (TOP WING)]	1.000		.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

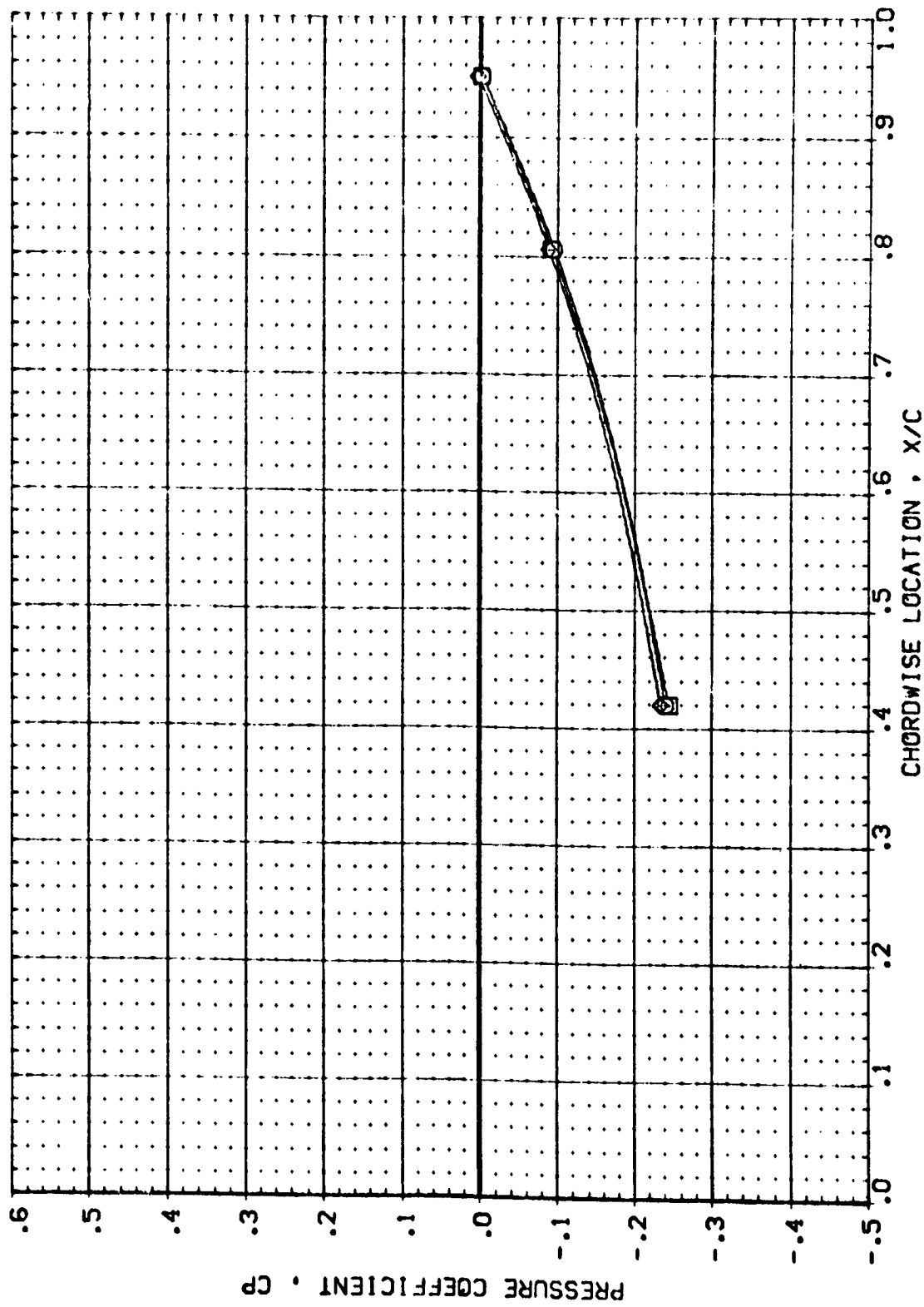
MACH = 1.550 ALPHA = -7.970 ETA = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POW	OPR	SMPR	RUDDER
(RBV122)	ARC 97-710 (A128 C1 T1 S1) (TOP WING)	.000	.433	.469	.000
(RBV123)	ARC 97-710 (A128 C1 T1 S1) (TOP WING)	.000		.469	.000
(RBV124)	ARC 97-710 (A128 C1 T1 S1) (TOP WING)	.000			.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	R-DOER
(R8V122)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000	.433	.469	.000
(R8V123)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000		.469	.000
(R8V124)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000		.469	.000

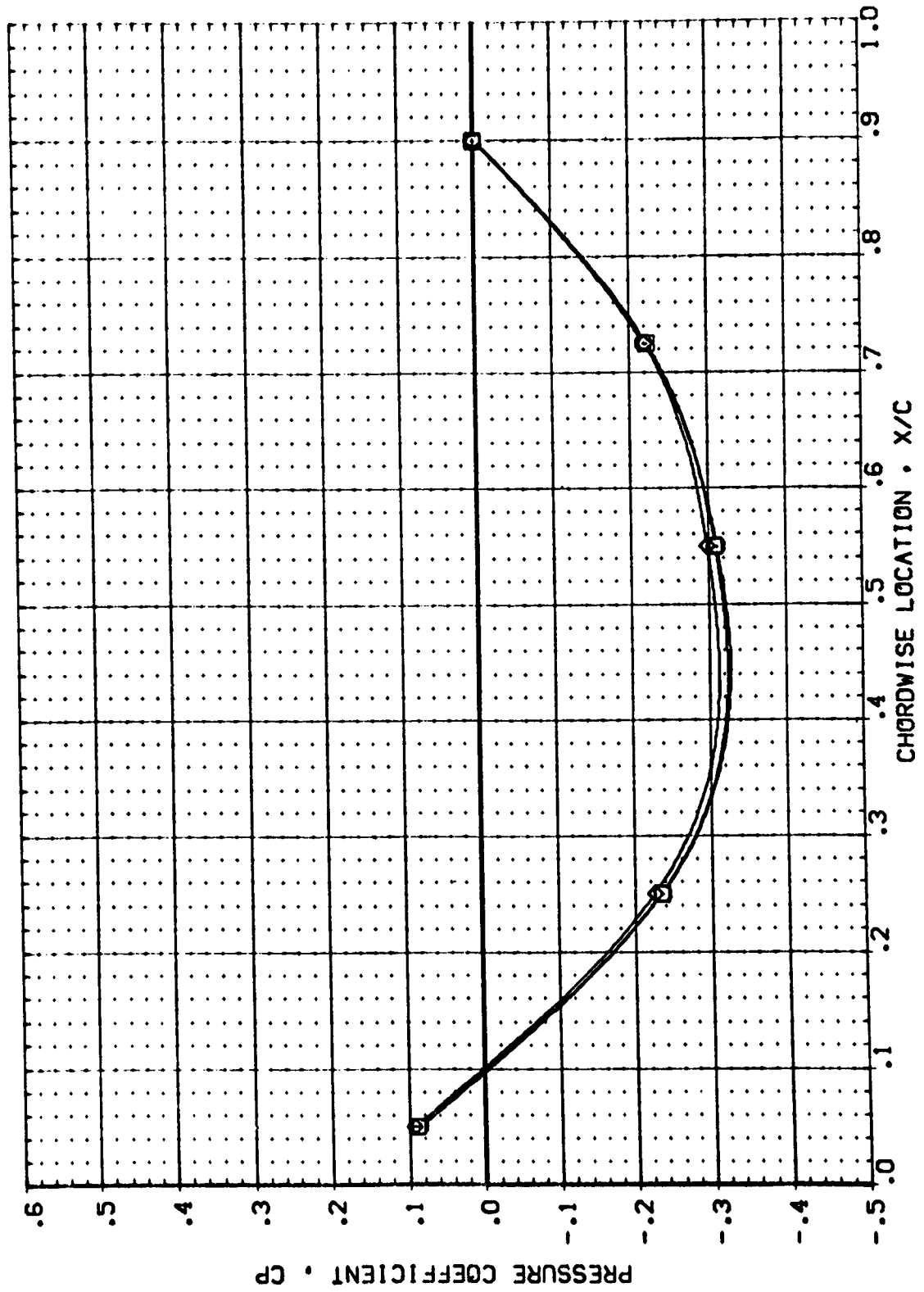


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .427

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVT22)	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	.000			.000
(RBVT23)	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	1.000	.433	.469	.000
(RBVT24)	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	1.000		.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT22) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

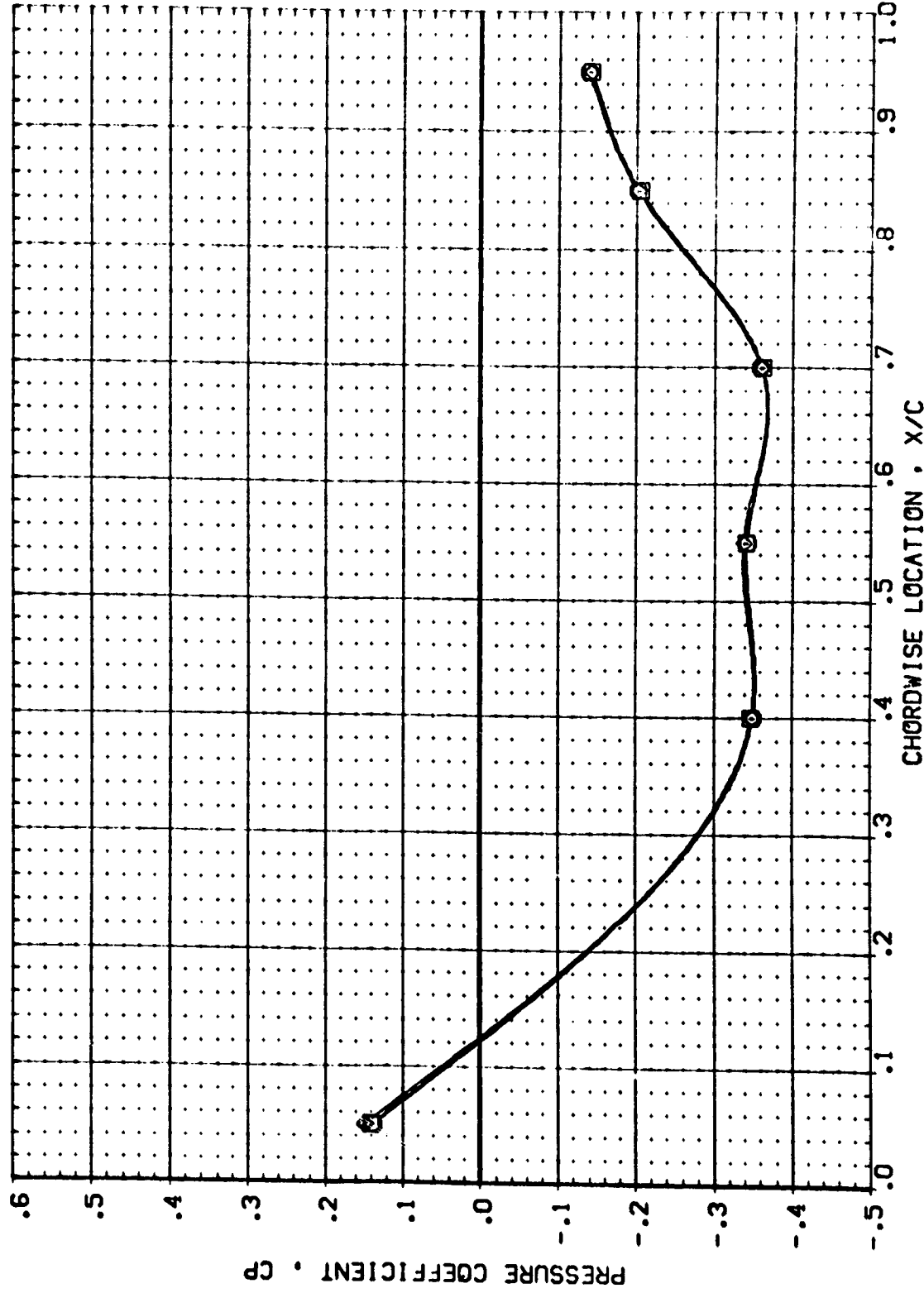
(RBVT23) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

(RBVT24) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

POWER DFR SRMPR RUDDER

.000 .433 .469 .000

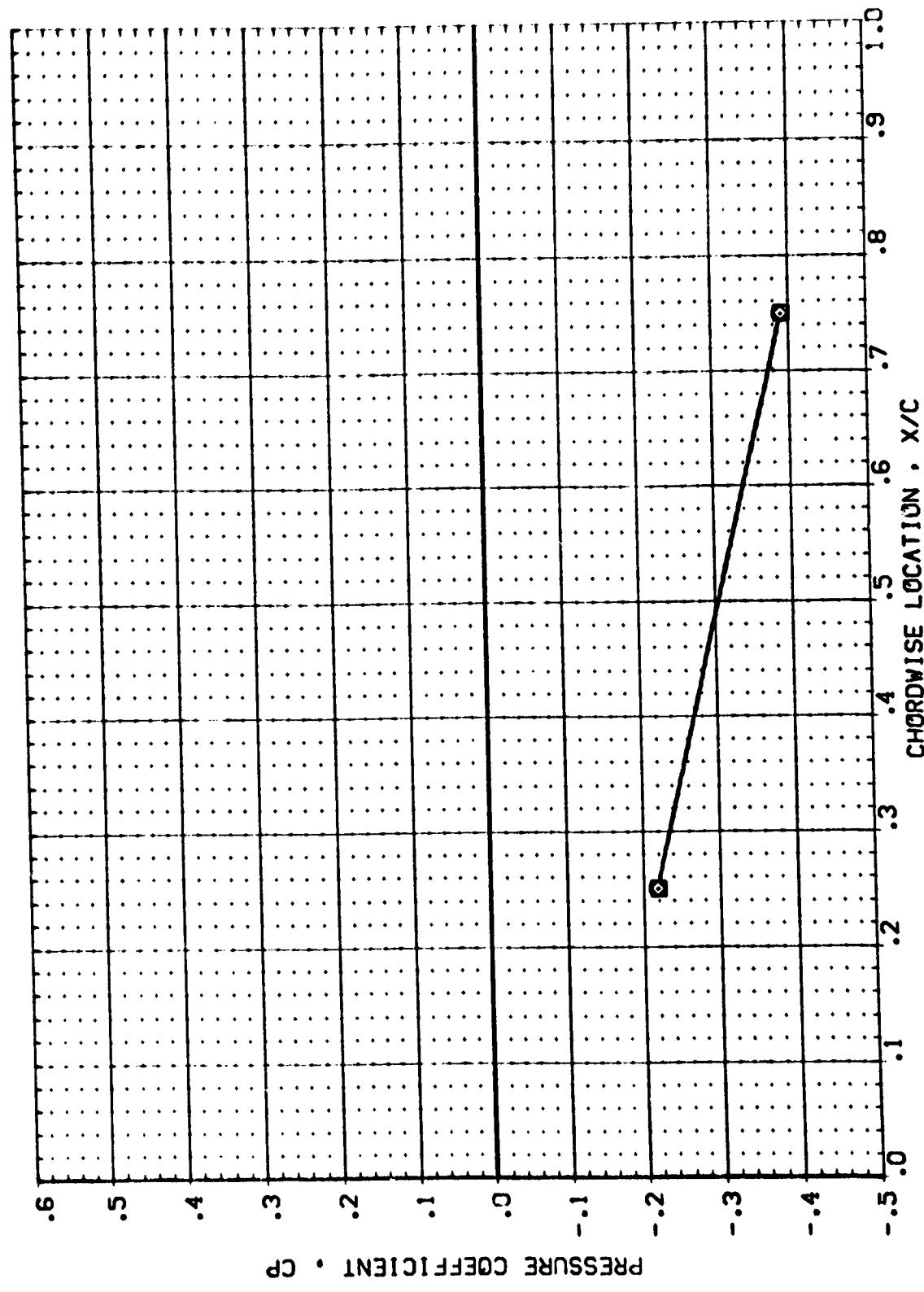
1.000 .000 .000 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

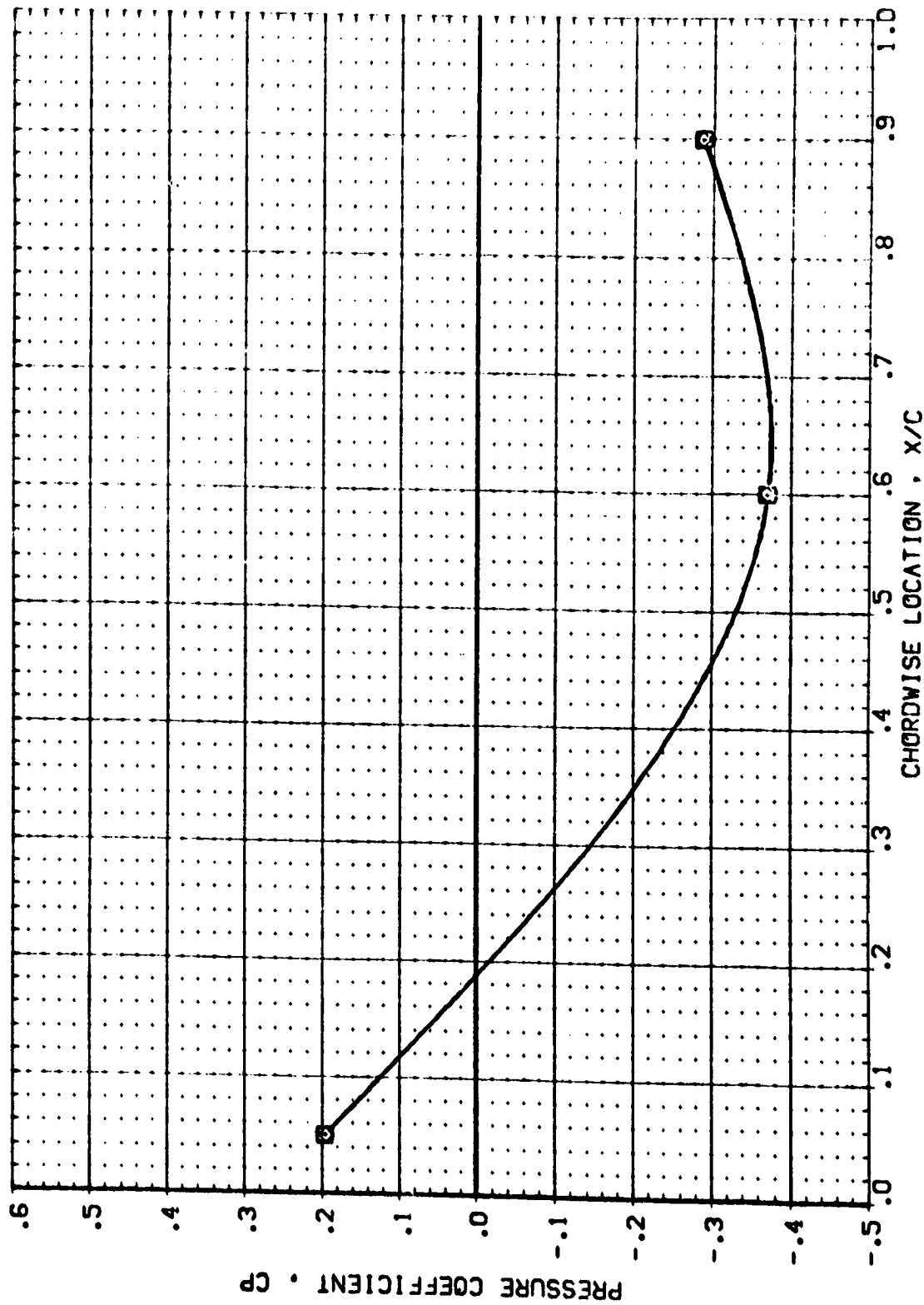
MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
RCV122)	ARC 97-710 [A]28 01 T1 S1 (TOP WING)	.000	.433	.469	.000
RCV123)	ARC 97-710 [A]28 01 T1 S1 (TOP WING)	1.000			.000
RCV124)	ARC 97-710 [A]28 01 T1 S1 (TOP WING)	1.000			.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

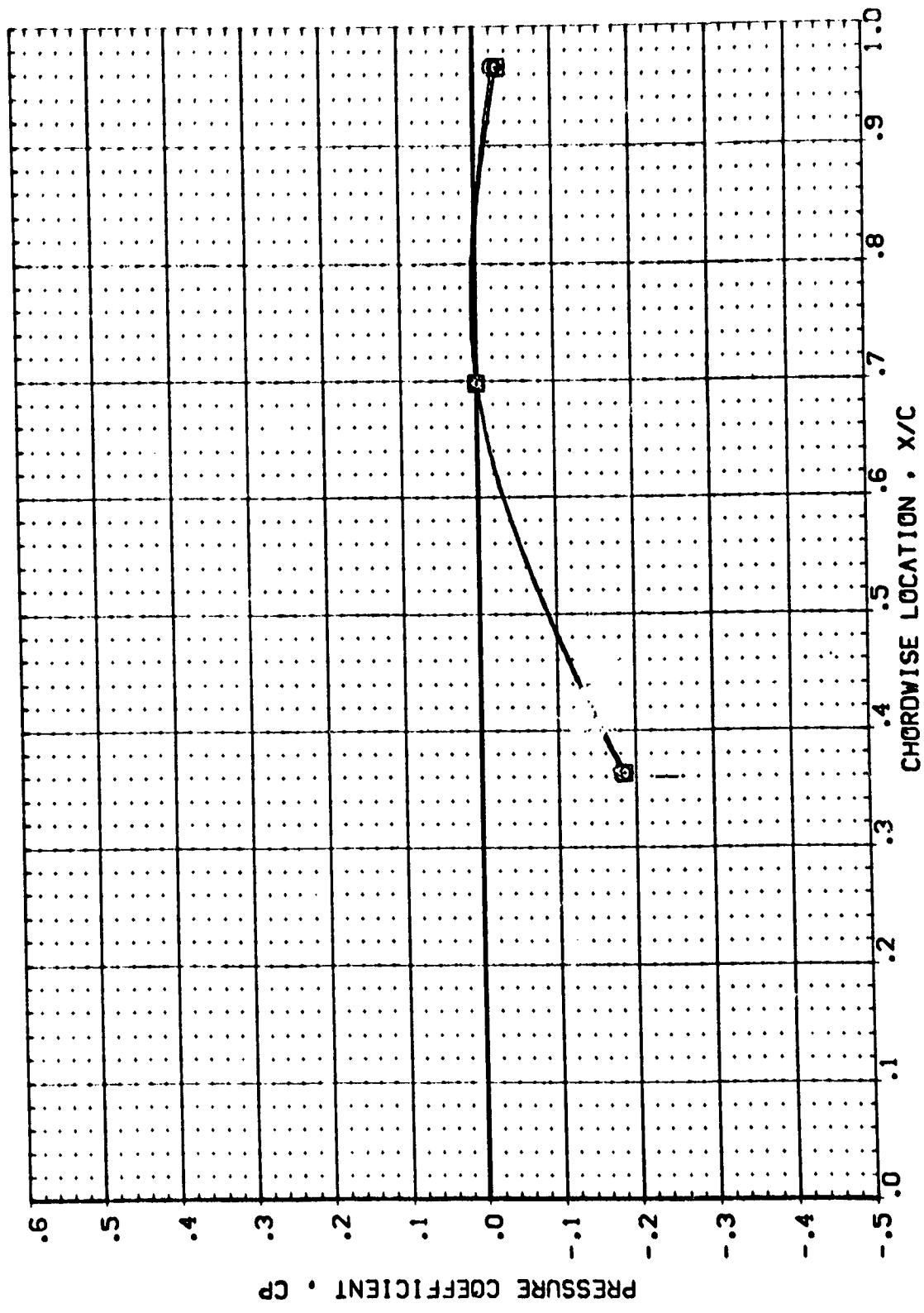
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMFR	RUDER
(RBT22)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.133	.469	.000
(RBT23)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.133	.469	.000
(RBT24)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.133	.469	.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .887

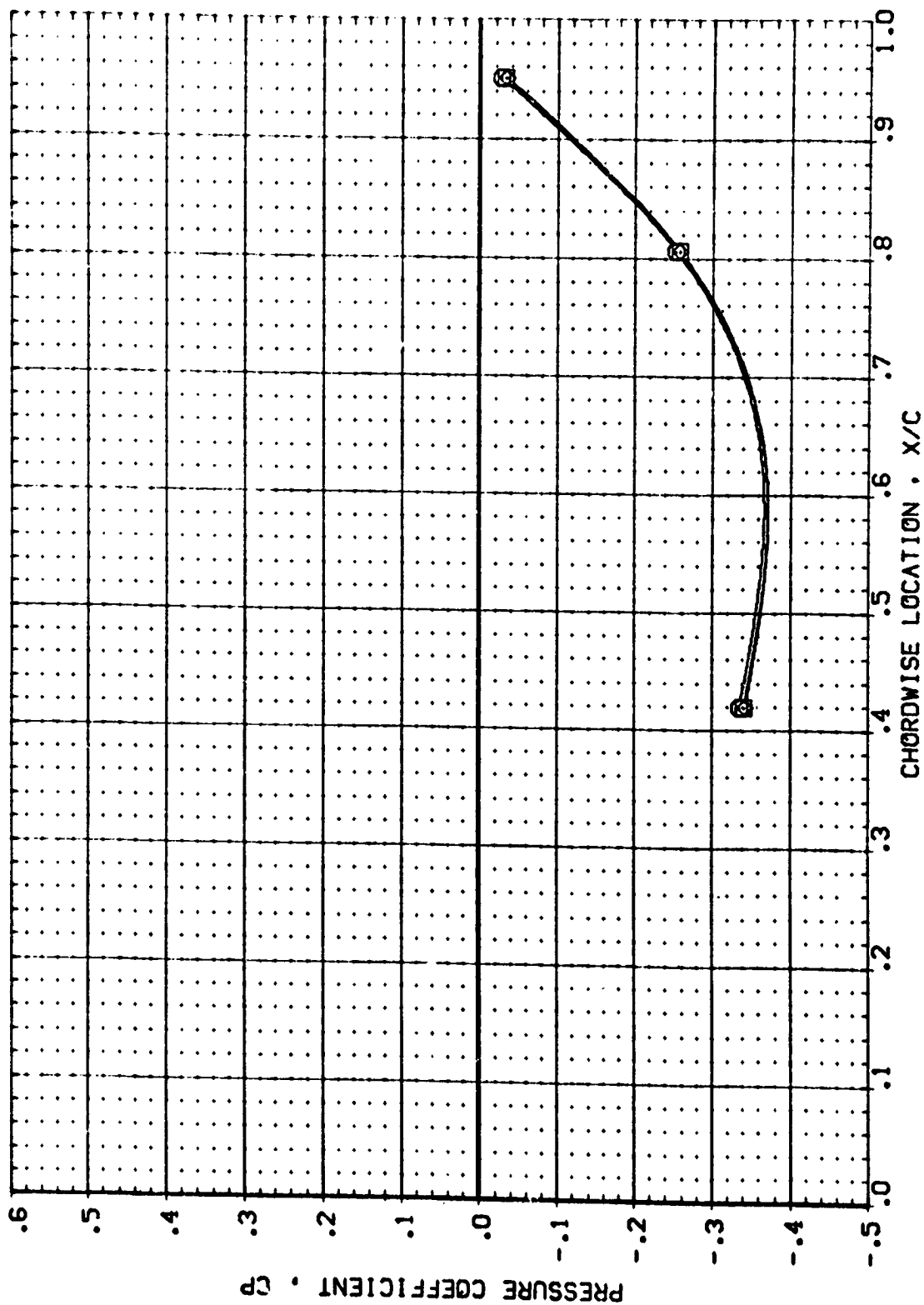
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMWR	RUDDER
(RBV122)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000	.433	.469	.000
(RBV123)	ARC 97-713 [A128 01 T1 S1 (TOP WING)]	1.000		.469	.000
(RBV124)	ARC 97-713 [A128 01 T1 S1 (TOP WING)]	1.000			.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP


MACH = 1.550 ALPHA = 8.050 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBV22)	ARC 97-710 [A12] O1 T1 S1 (TOP WING)	.000	.433	.469	.000
(RBV23)	ARC 97-710 [A128] O1 T1 S1 (TOP WING)	1.000			.000
(RBV24)	ARC 97-710 [A128] O1 T1 S1 (TOP WING)	1.000		.469	.000

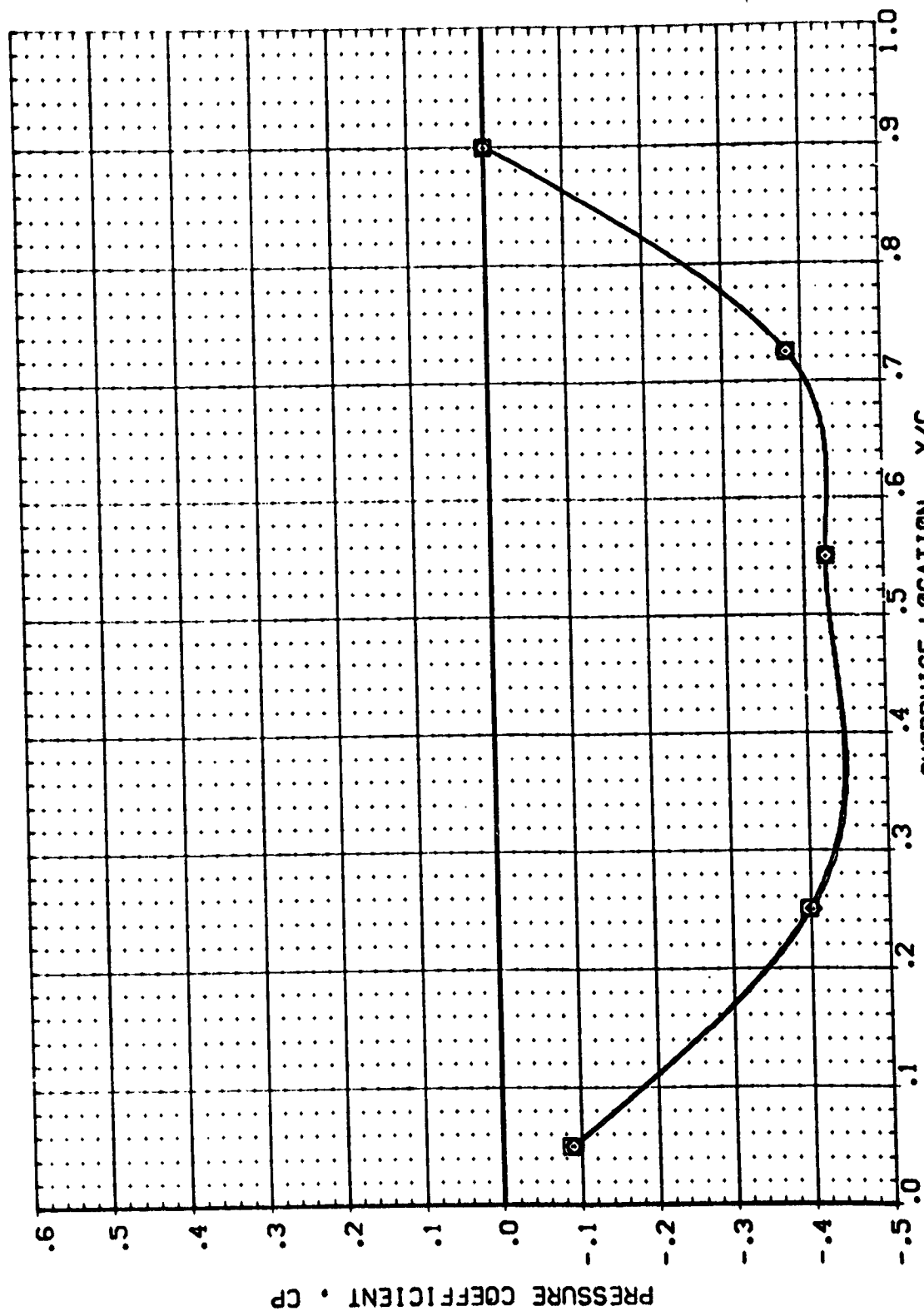


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	RUDDER
RBV122		ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.433	.469	.000
RBV123		ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000			.000
RBV124		ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000			.000

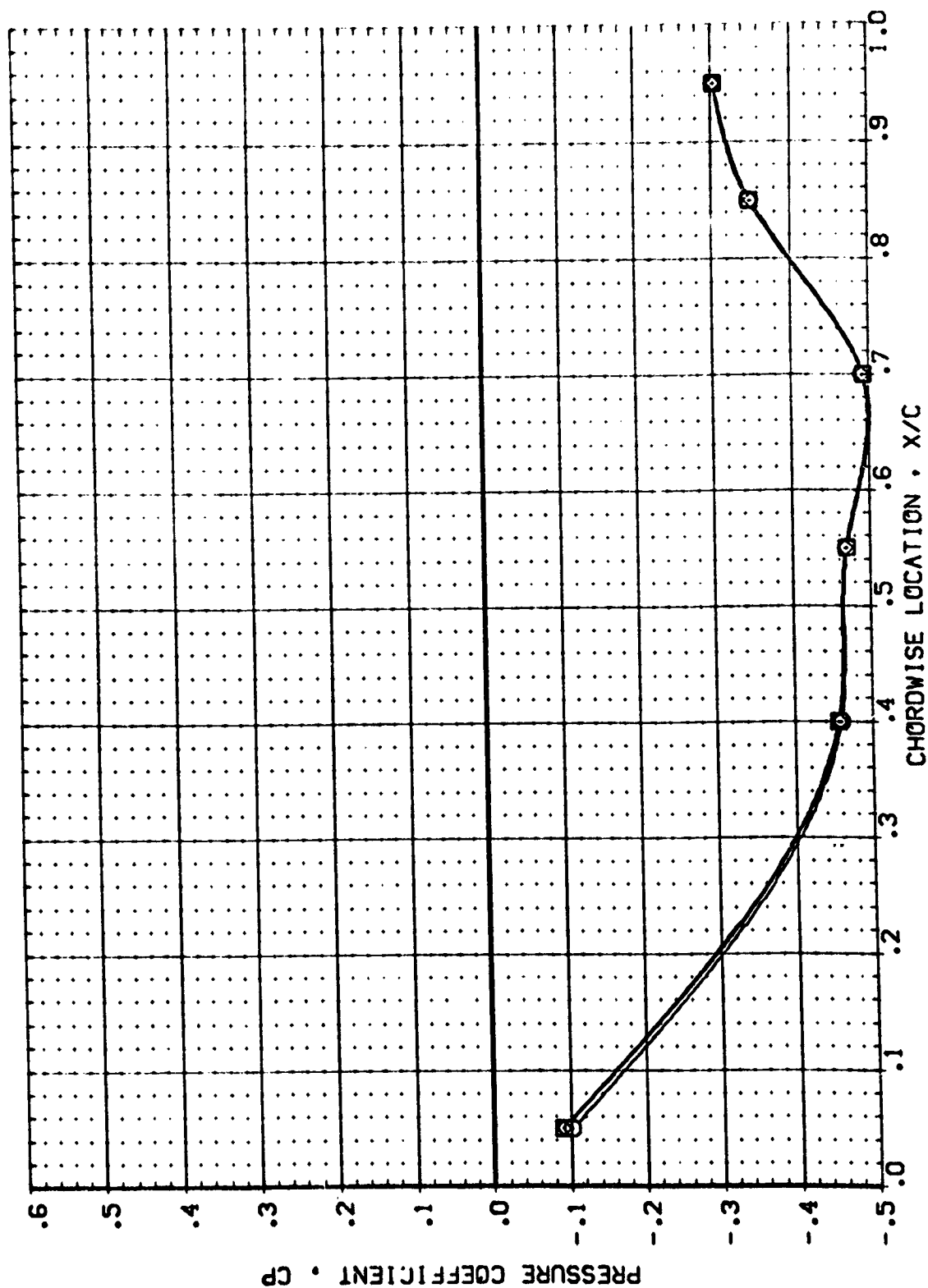
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 RBV122 ARC 97-710 1A128 01 T1 S1 (TOP VING)
 RBV123 ARC 97-710 1A128 01 T1 S1 (TOP VING)
 RBV124 ARC 97-710 1A128 01 T1 S1 (TOP VING)



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
(RSV122)	ARC 97-710 IAI28 OI TI SI (TOP VING)	.000	.433	.469	.000
(RSV123)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000		.469	.000
(RSV124)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000			.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

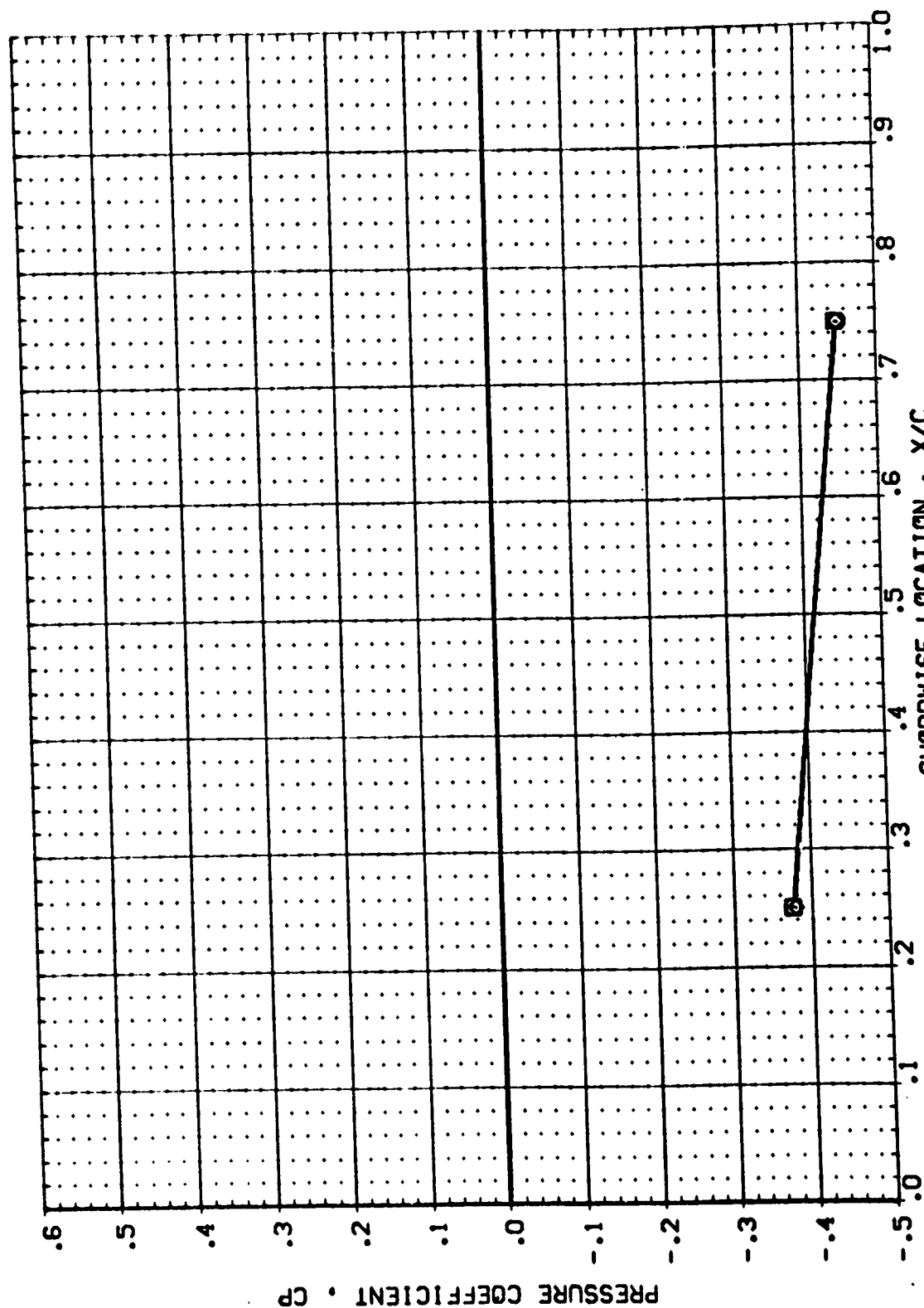
MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER OPR SRMPR RUDDER

(R8V122) ARC 97-710 IAI28 01 T1 S1 (TOP VING) .000 .433 .469 .000

(R8V123) ARC 97-710 IAI28 01 T1 S1 (TOP VING) 1.000 .469 .000

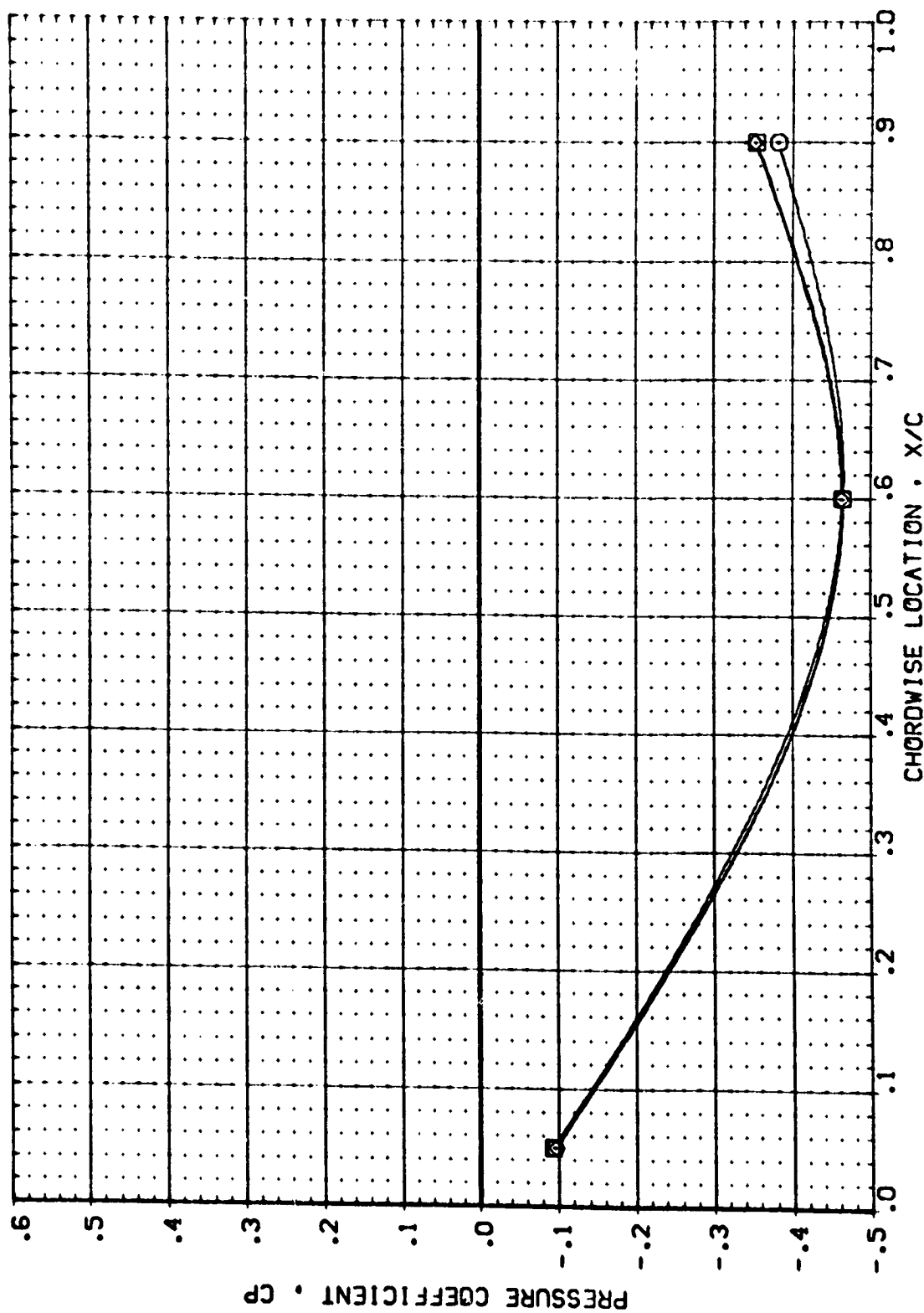
(R8V124) ARC 97-710 IAI28 01 T1 S1 (TOP VING) 1.000 .469 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SMRPR	RUDDER
RBV122	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000			.000
RBV123	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	.469	.000
RBV124	ARC 97-713 1A123 01 T1 S1 (TOP VING)	1.000			.000



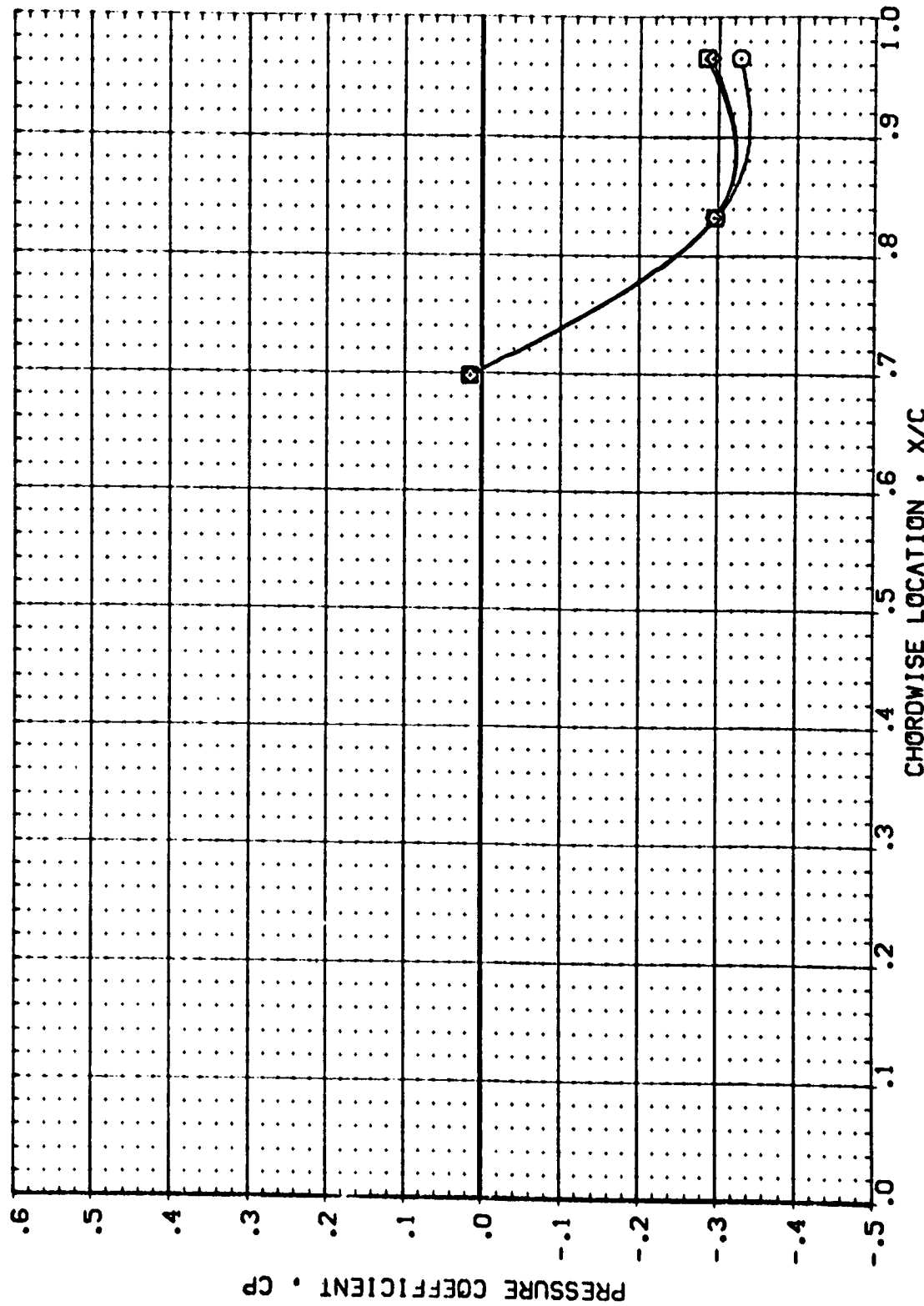
SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .887

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [R9/B22] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 [R9/B23] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 [R9/B24] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER DPR SMPR RUDDER
 .000
 1.000 .433 .469 .000
 1.000 .000 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .299

POWER .000
 .000
 1.000
 1.000

OPR .433

SWPR .469
 .469

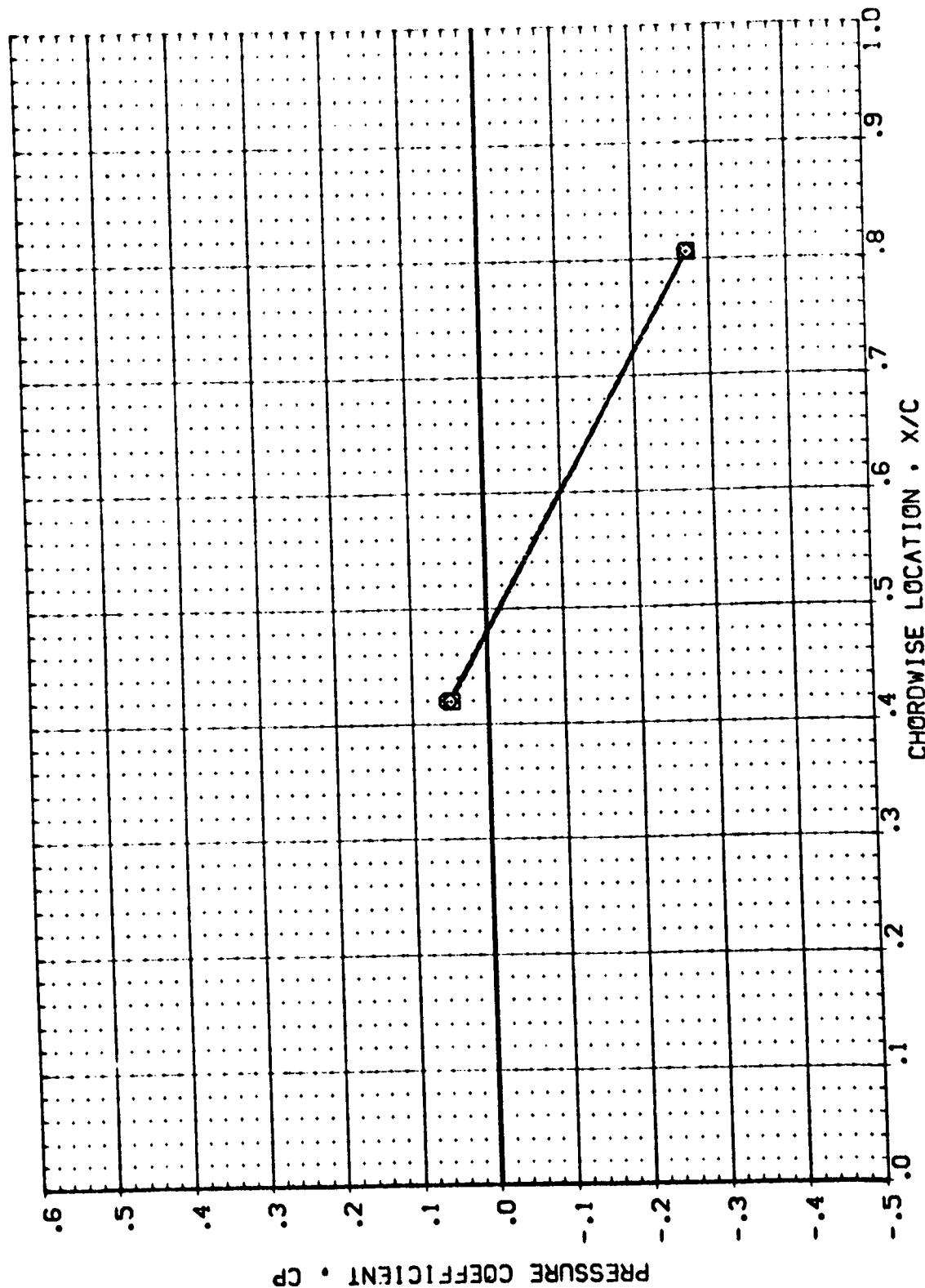
RUDDER .000
 .000
 .000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RB/B22) Q ARC 97-710 1A128 C1 T1 S1(BOTTOM WING)11

(RB/B23) X ARC 97-710 1A128 C1 T1 S1(BOTTOM WING)11

(RB/B24) X ARC 97-710 1A128 C1 T1 S1(BOTTOM WING)11

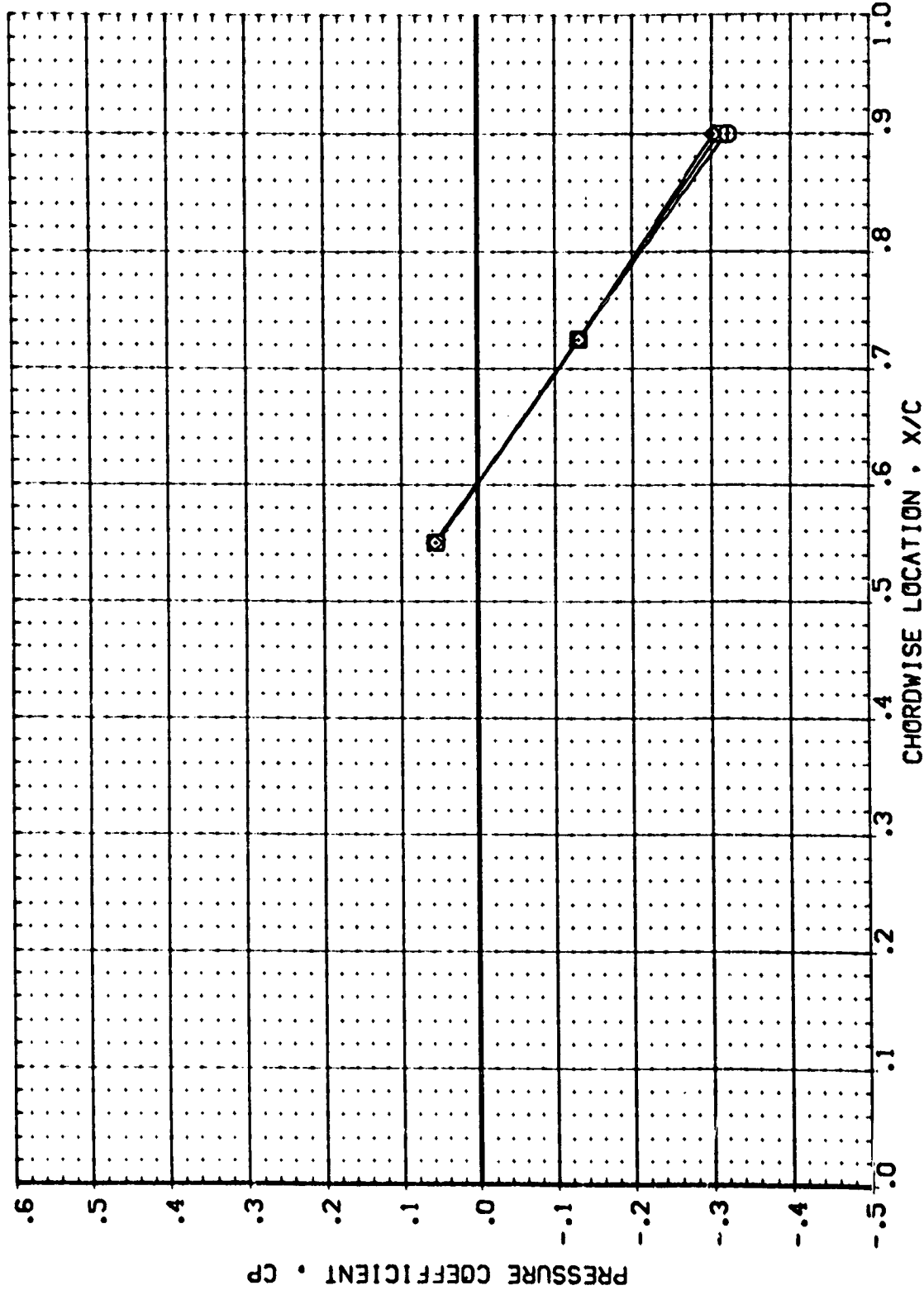


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [R51522] ARC 97-710 [A:28 OI T1 S1(BOTTOM WING)]
 [R51523] ARC 97-710 [A:28 OI T1 S1(BOTTOM WING)]
 [R51524] ARC 97-710 [A:28 OI T1 S1(BOTTOM WING)]

POWER OPR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .000 .469 .000

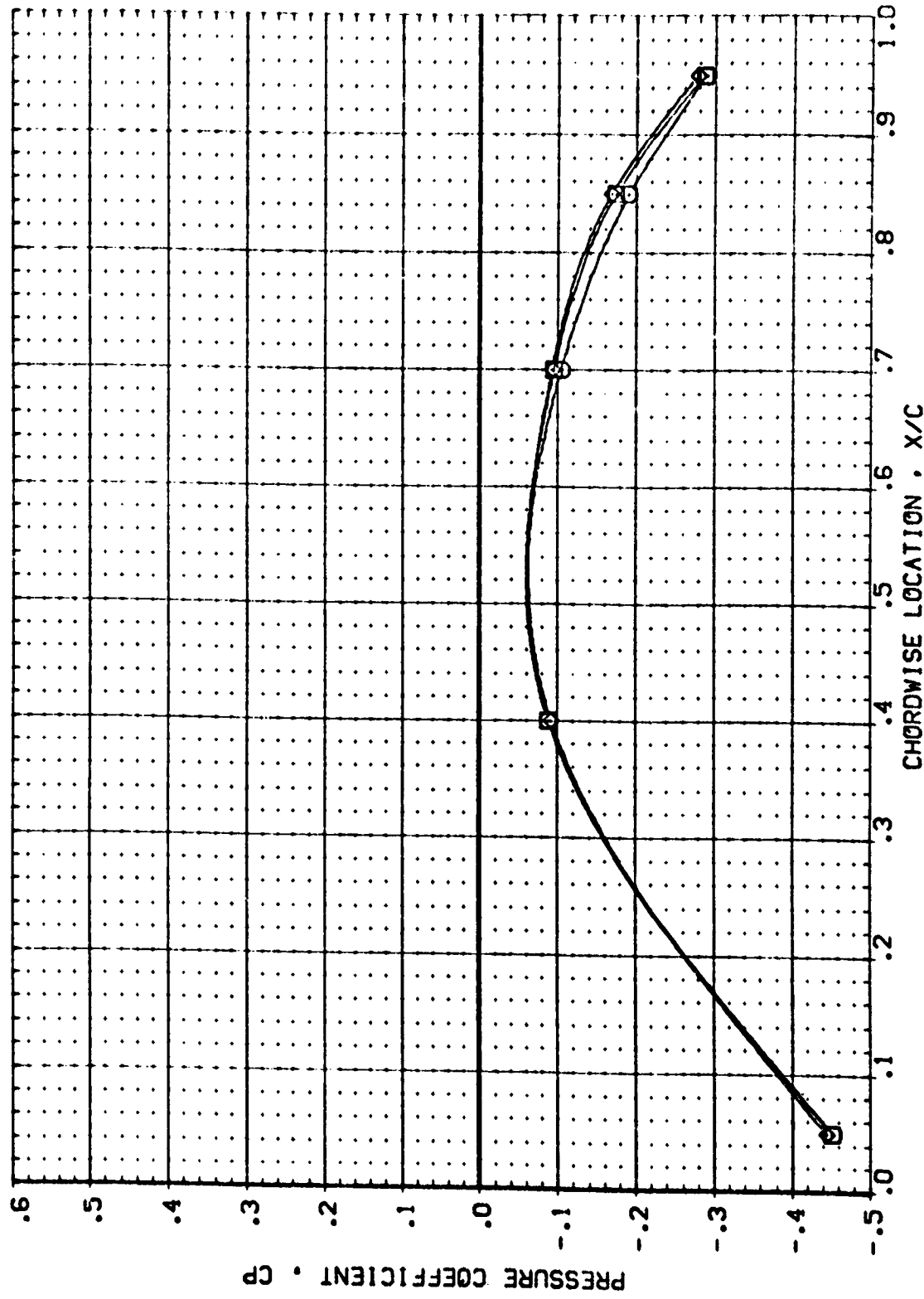


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11
 (RBV823) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11
 (RBV824) ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11

POWER QPR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .433 .469 .000

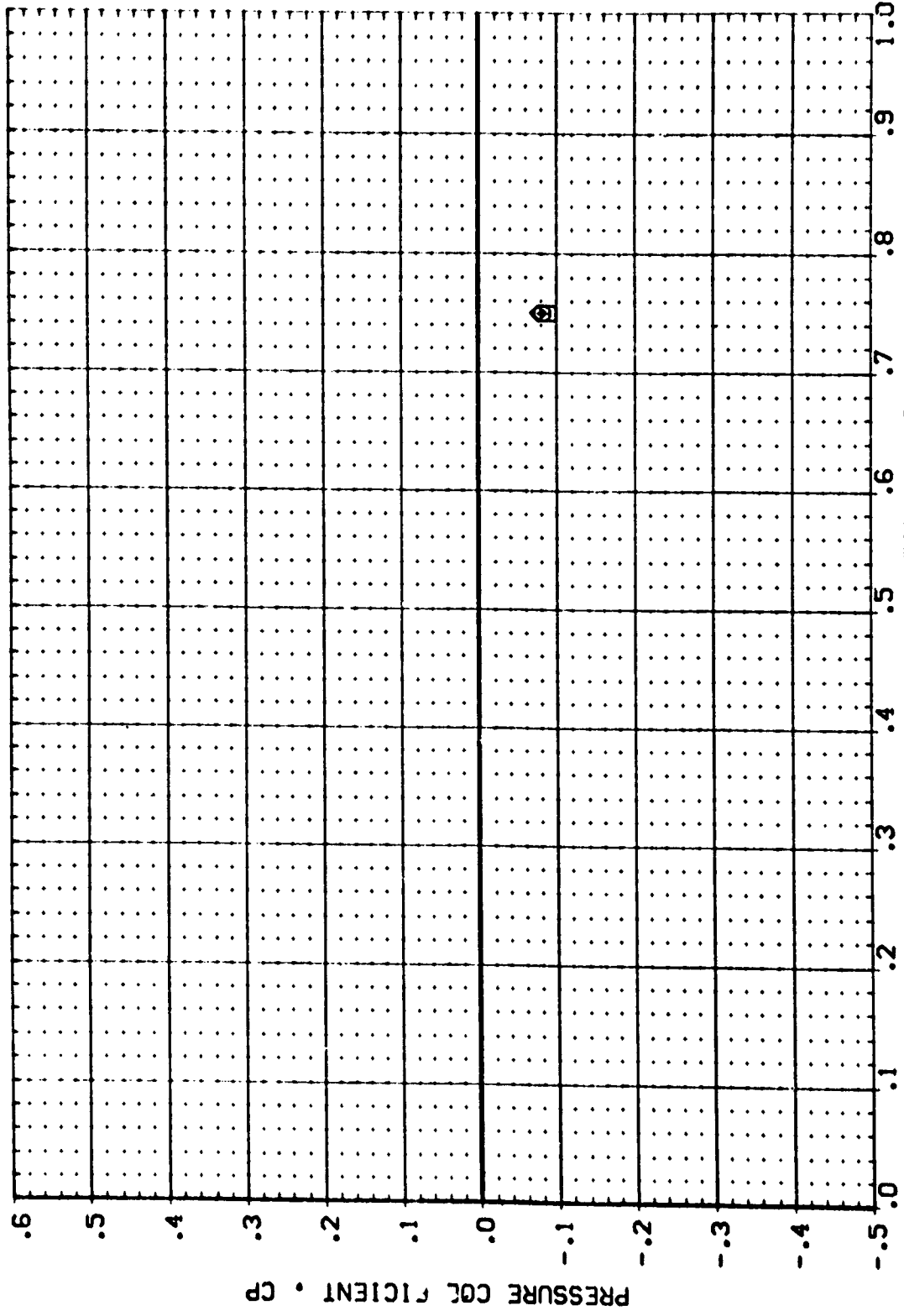


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 {RBV822} Q ARC 97-710 [A:28 0] T1 S1(BOTTOM VING)11
 {PSV823} ARC 97-710 [A:28 0] T1 S1(BOTTOM VING)11
 {PSV824} ARC 97-710 [A:28 0] T1 S1(BOTTOM VING)11

POWER DPR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .000 .000 .000



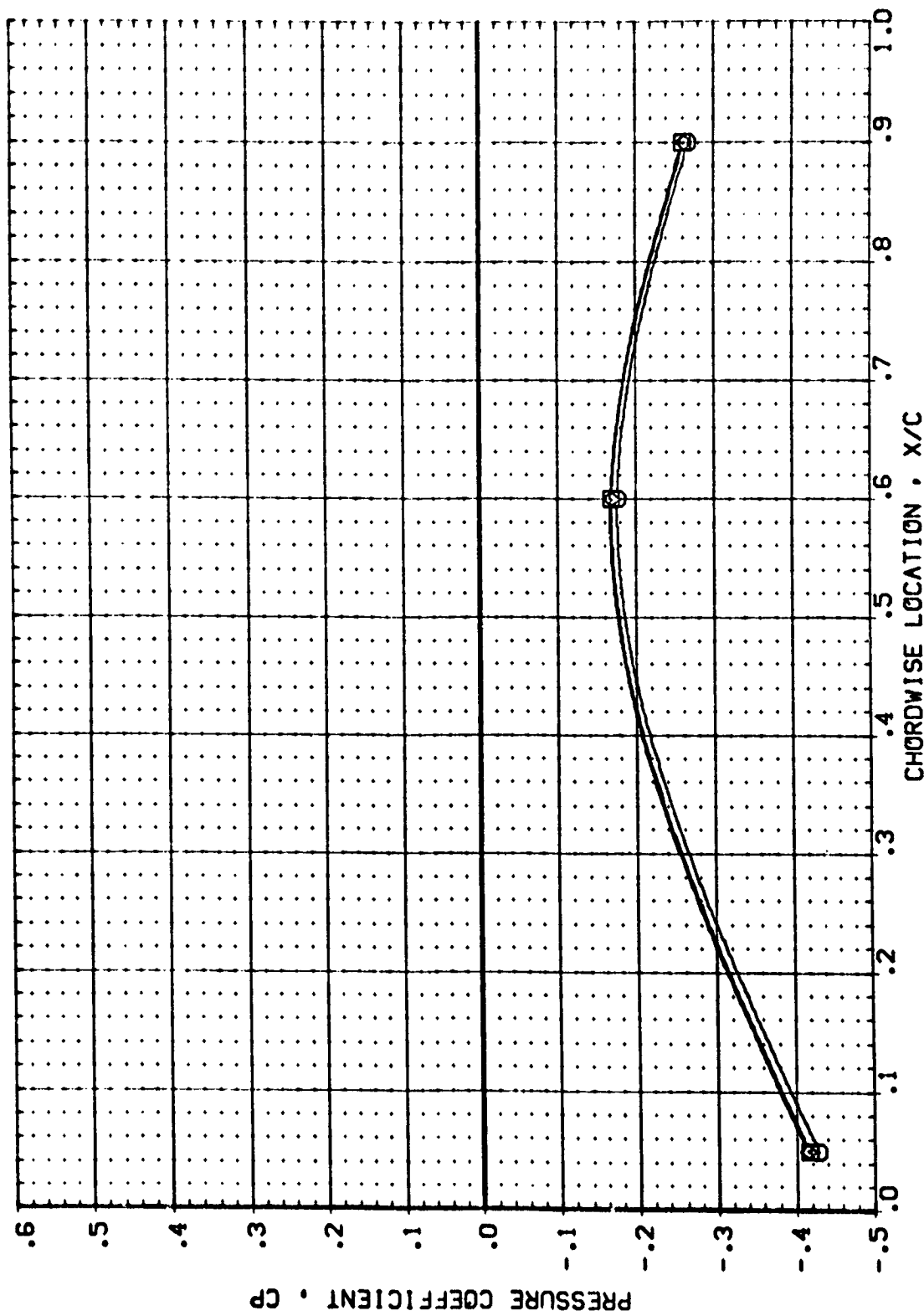
CHORDWISE LOCATION • X/C

SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSVB22) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RSVB23) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RSVB24) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

POWER QPR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .469 .469 .000
 1.000 .469 .469 .000

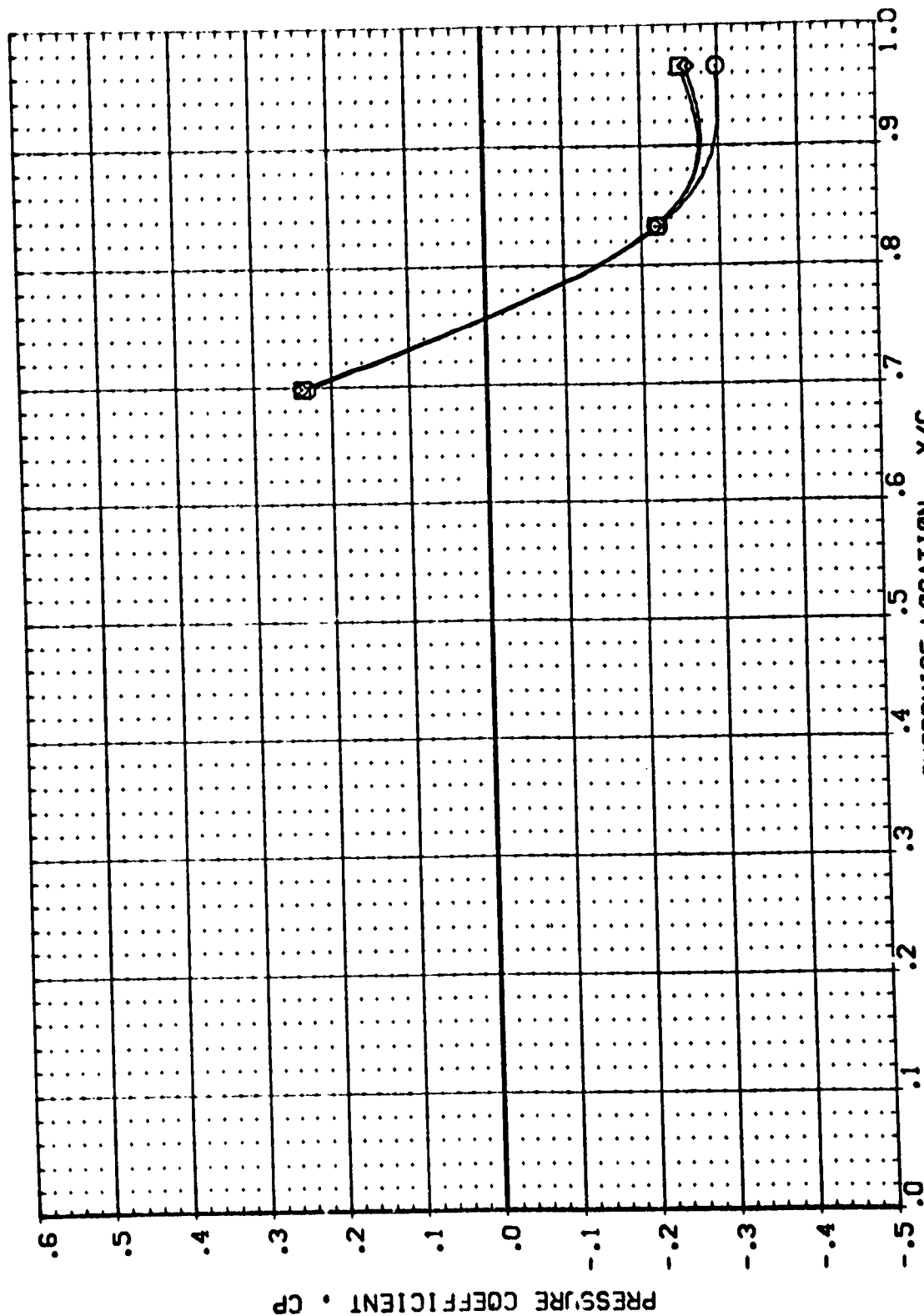


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RS/B22) ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]
 (RS/B23) ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]
 (RS/B24) ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]

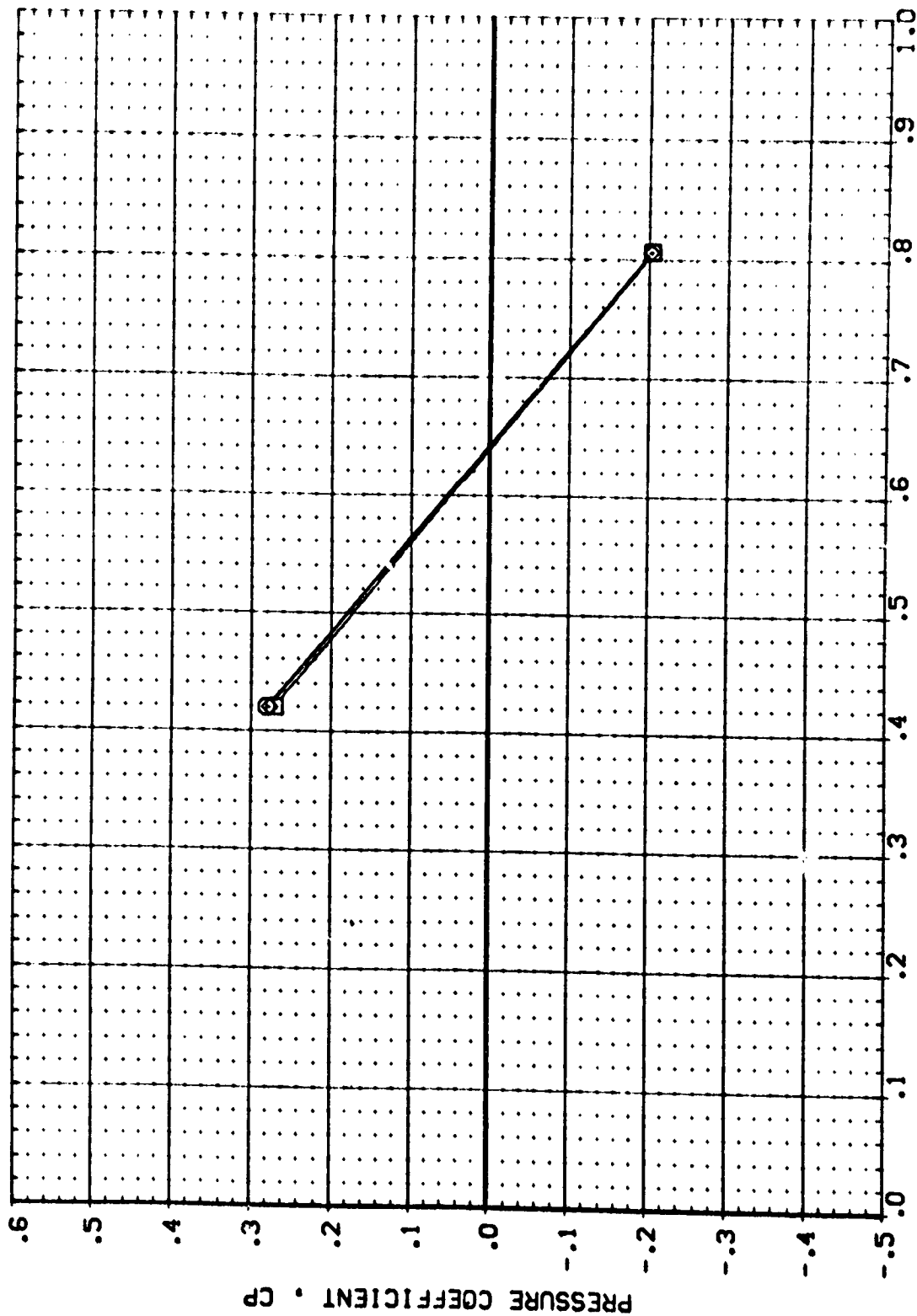
POWER DPR SRPR RUDDER
 .000 .433 .469 .000
 1.000 .000 .000 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV22) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV23) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV24) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER CDR SPRR RUDDER
 .000 .433 .469 .000
 1.000 .469 .000 .000
 1.000 .000 .000 .000

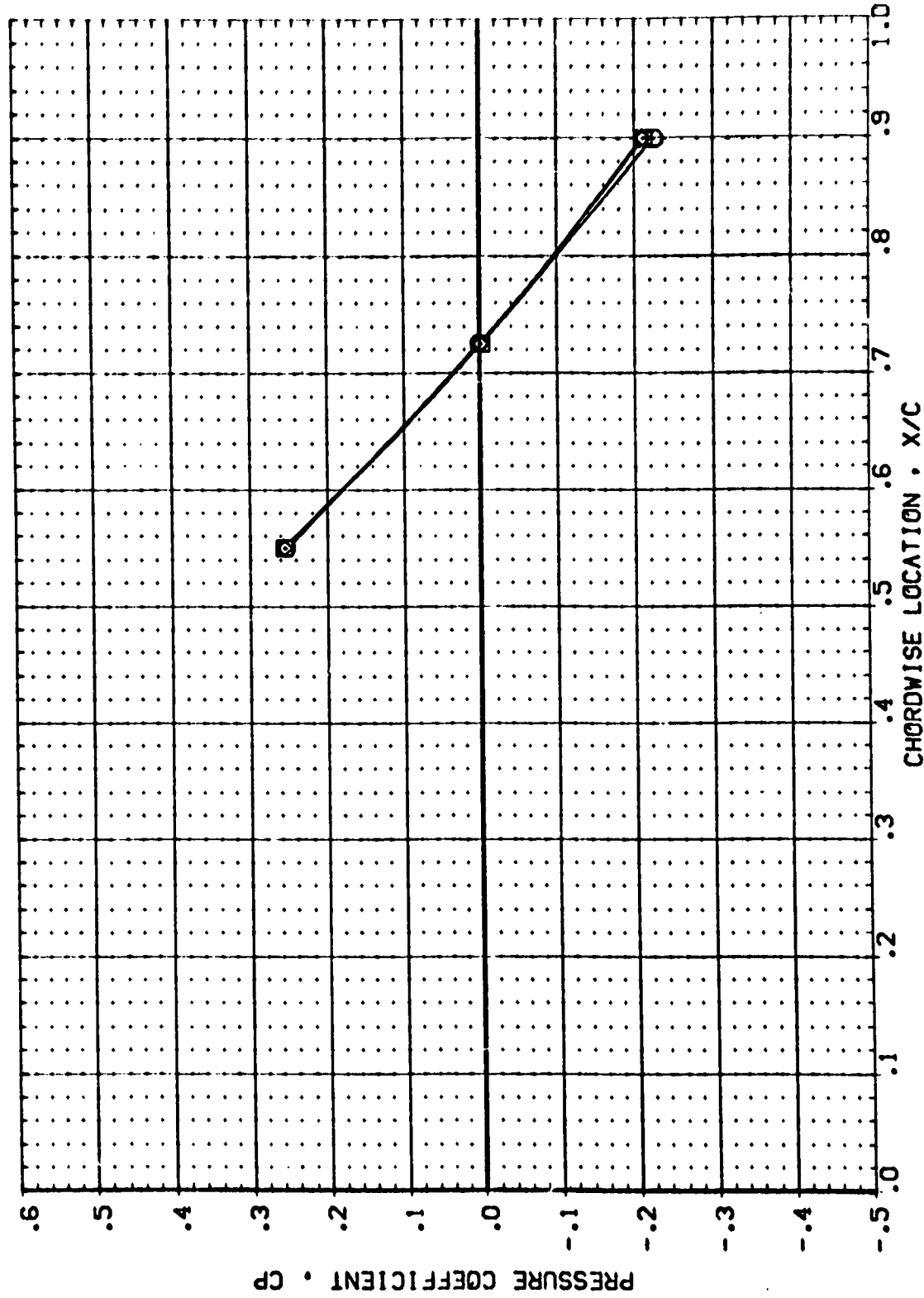


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM
 CHORDWISE LOCATION, X/C

MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV823) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV824) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER DPR SMRPR RUDDER
 .000 .433 .469 .000
 1.000 .469 .469 .000
 1.000 .469 .469 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .534

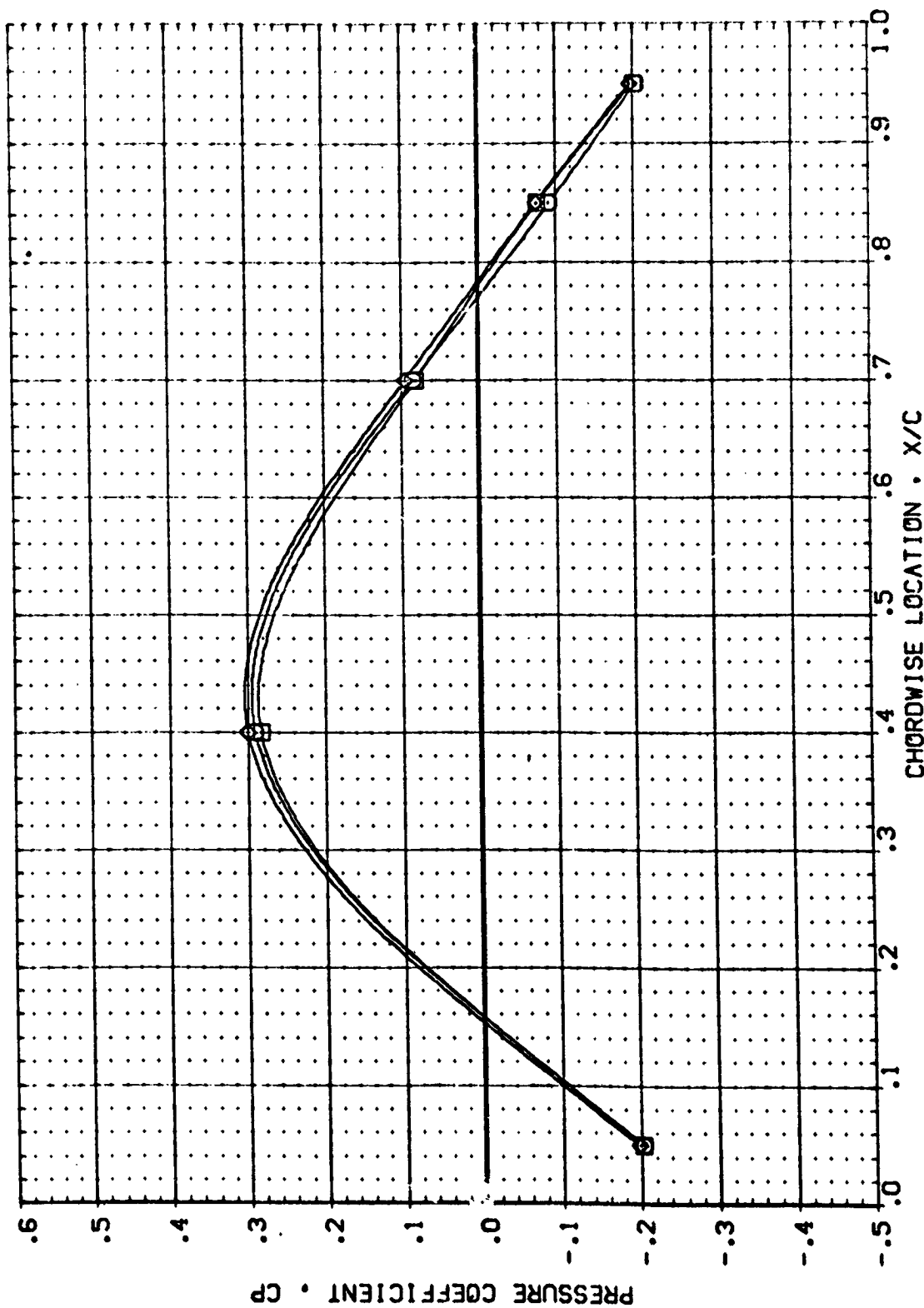
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV22) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV23) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV24) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER .000 .433 .000
 .000 .469 .000
 .000 .469 .000

POWER .000 .433 .000

POWER .000 .469 .000



CHORDWISE LOCATION - X/C

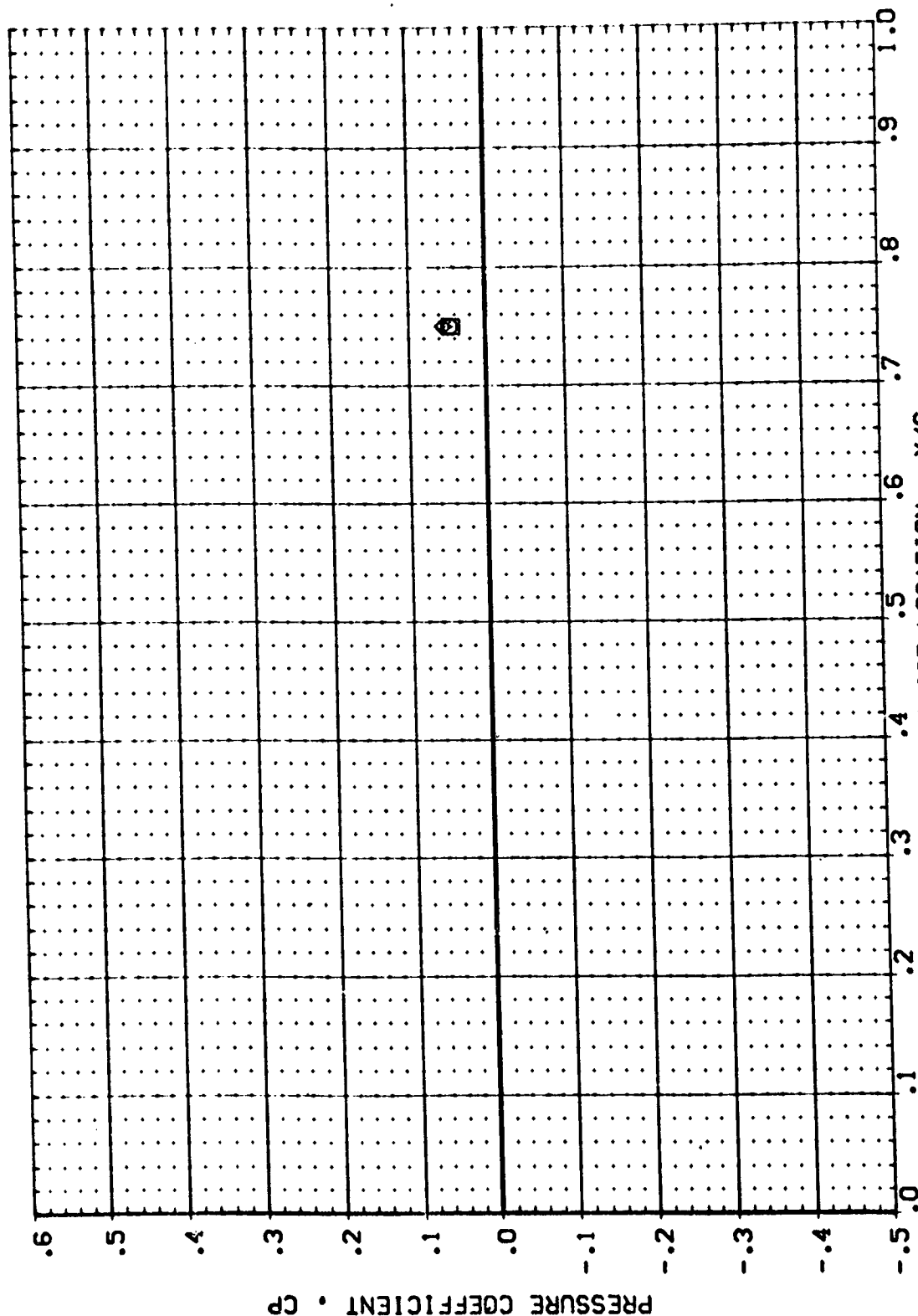
SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P9/B22) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (R9/B23) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (R9/B24) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER .000
 .000
 1.000
 1.000

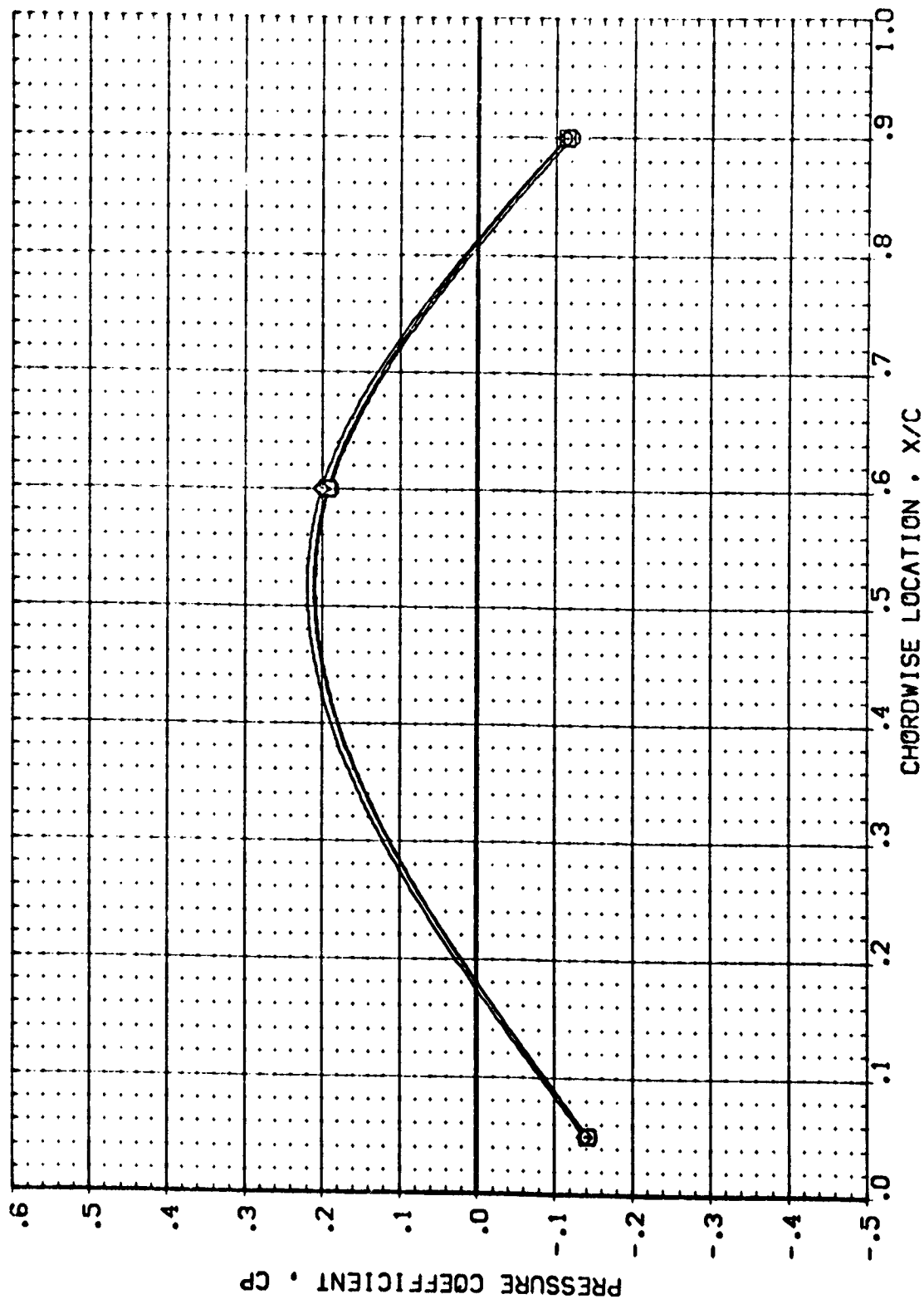
POWER .000
 .000
 1.000
 1.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .780

DATA SET SYMBO	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
(RBVB22)	ARC 97-710 [A128 01 T] S1(BOTTOM VING)11	.000			.000
(PSVB23)	ARC 97-710 [A128 01 T] S1(BOTTOM VING)11	1.000	.433	.469	.000
(RBVB24)	ARC 97-710 [A128 01 T] S1(BOTTOM VING)11	1.000		.469	.000



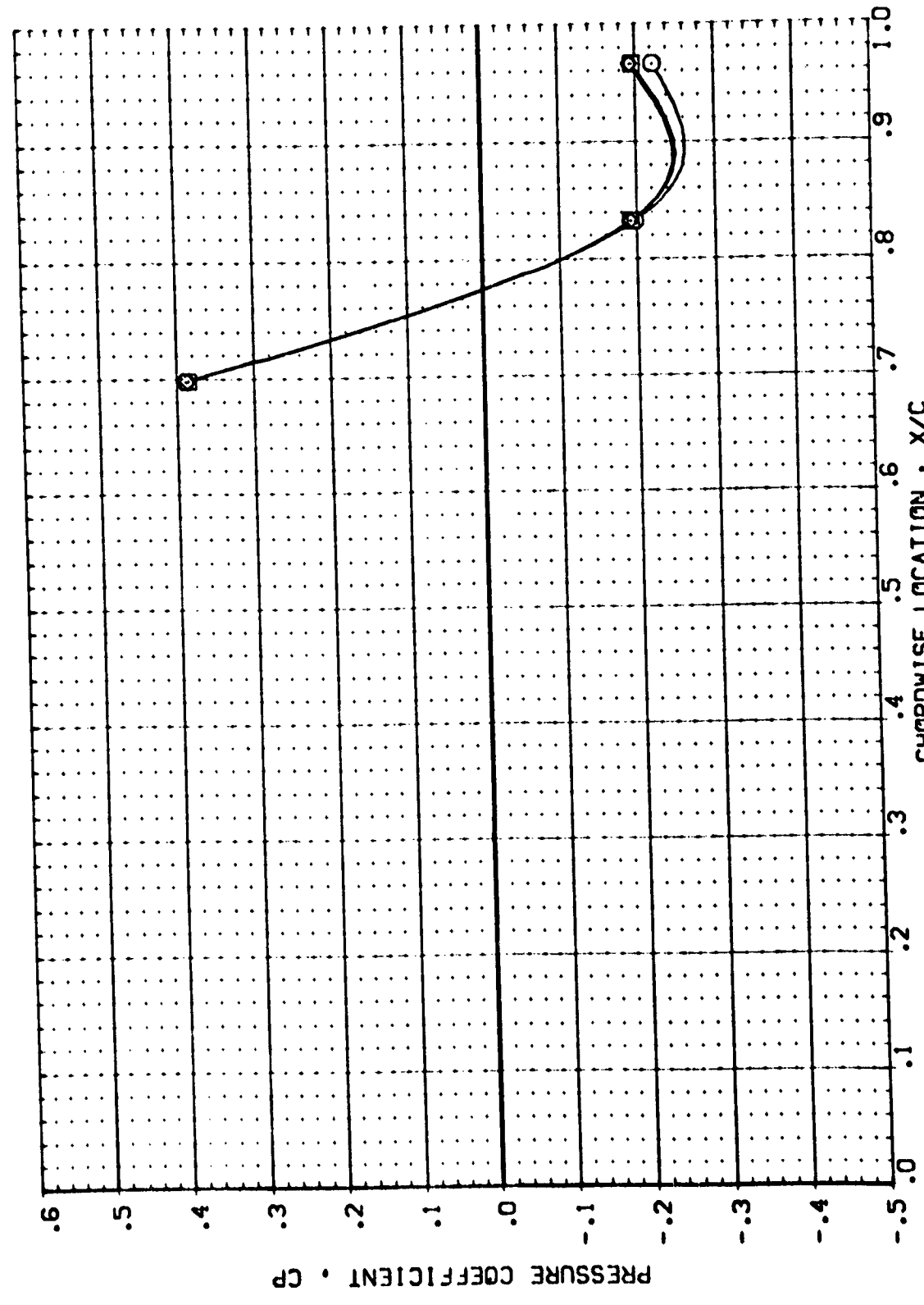
SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .887

PAGE 102

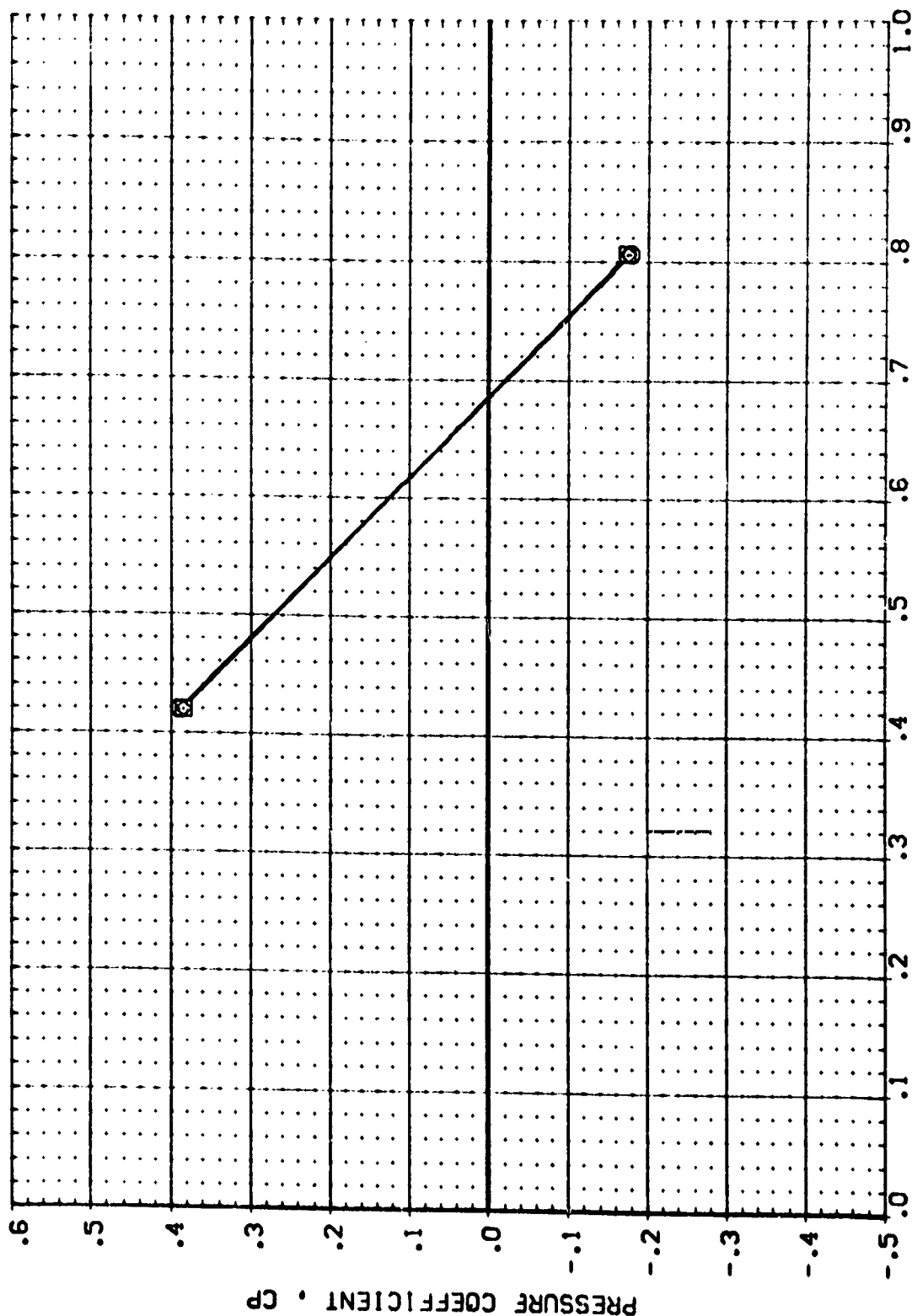
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [R9.922] APC 97-710 [A.28 Q1 T1 S1(BOTTOM WING)]
 [R9.923] APC 97-710 [A.28 Q1 T1 S1(BOTTOM WING)]
 [R9.924] APC 97-710 [A.28 Q1 T1 S1(BOTTOM WING)]

POWER .000
 .000
 1.000
 1.000
 .433
 .469
 .469
 .000
 .000
 .000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SPWR	RUDDER
RSV822	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	.000			.000
RSV823	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.433	.169	.000
RSV824	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000			.000



SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .427

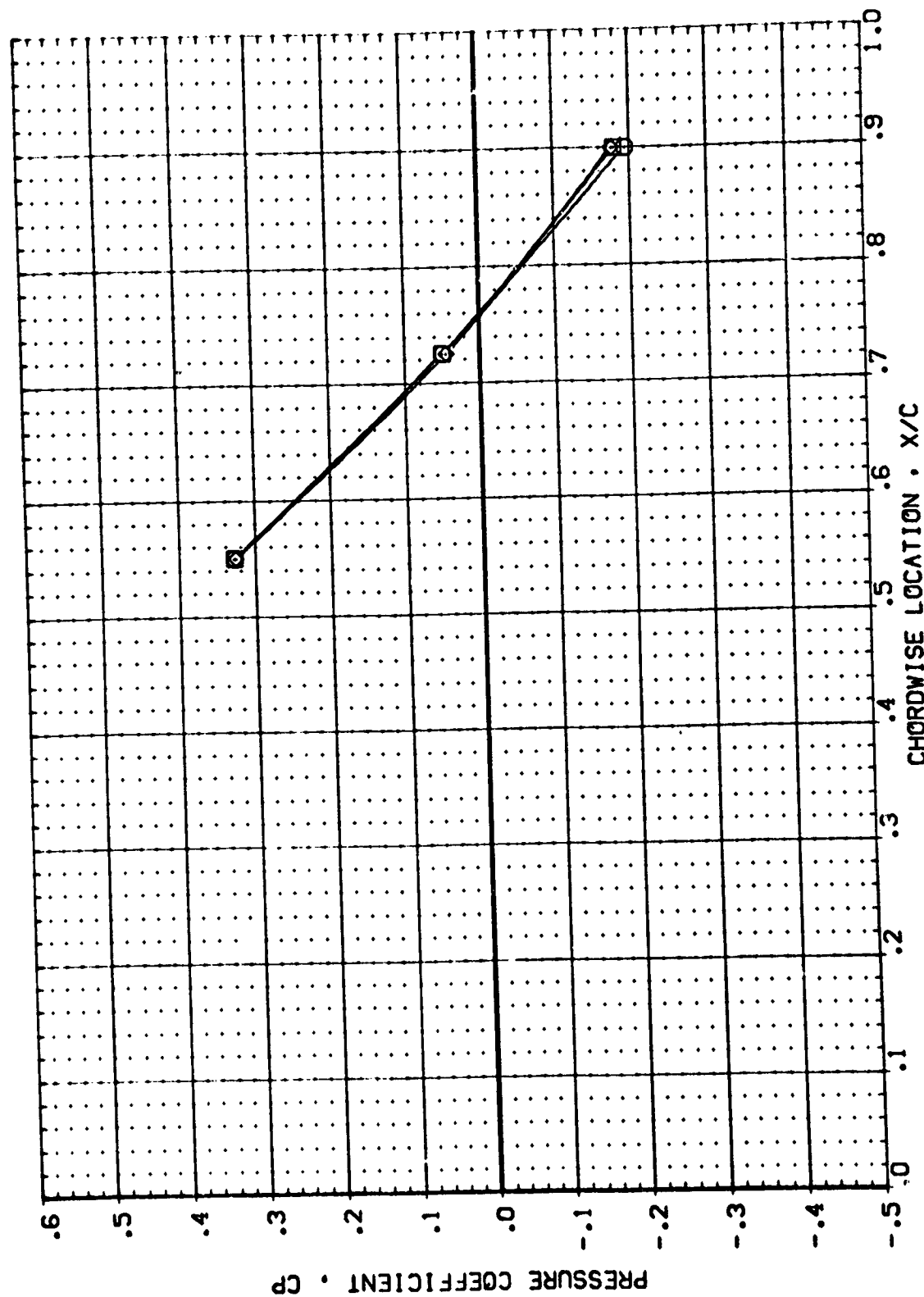
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	RUDDER
(RBV22)	ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11	.000	.433	.469	.000
(RBV23)	ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11	1.000		.469	.000
(RBV24)	ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11	1.000		.469	.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV22) ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11

(RBV23) ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11

(RBV24) ARC 97-710 IAI28 CI T1 S(BOTTOM VING)11

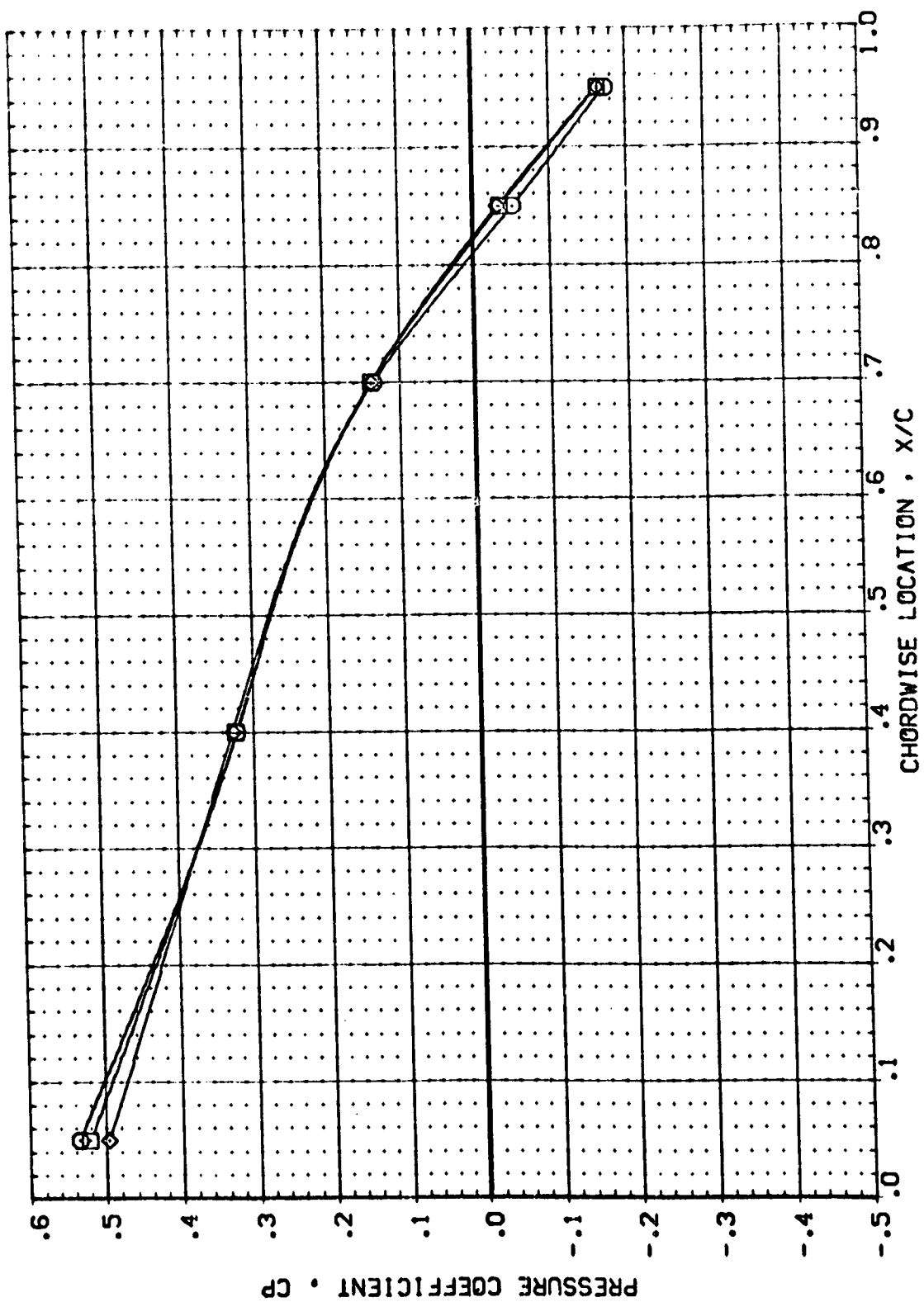


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R9/B23) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R9/B23) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R9/B24) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER OPR SRMPR RUDDER
 .000 .000 .000
 1.000 .433 .469
 1.000 .469

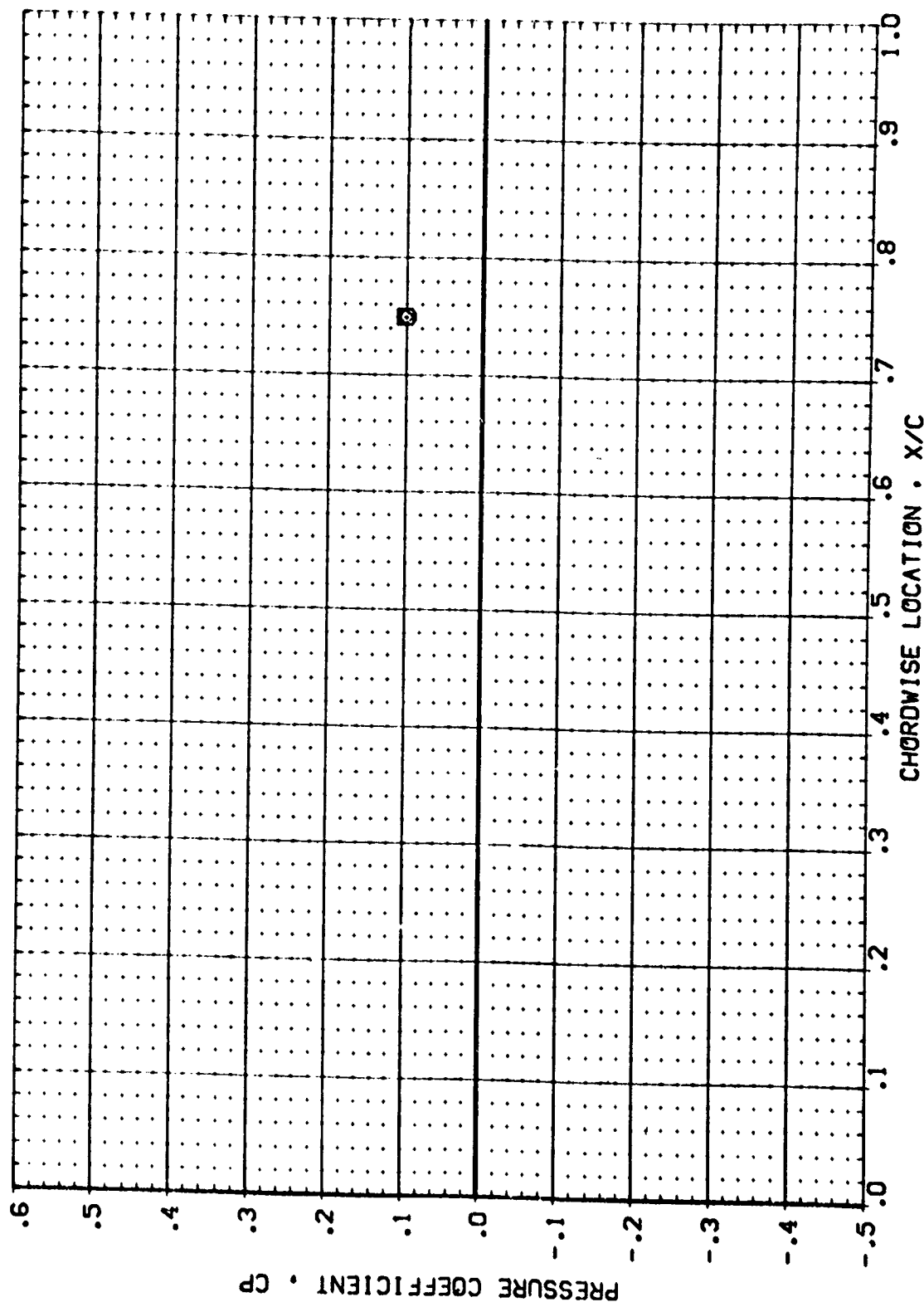


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (PB/B22) ARC 97-710 A128 01 T1 S1(BOTTOM VING)11
 (PB/B23) ARC 97-710 A128 01 T1 S1(BOTTOM VING)11
 (PB/B24) ARC 97-710 A128 01 T1 S1(BOTTOM VING)11

POWER OPR SRMPR RUDDER
 .000 .433 .469 .000
 1.000 .000 .469 .000
 1.000 .000 .469 .000

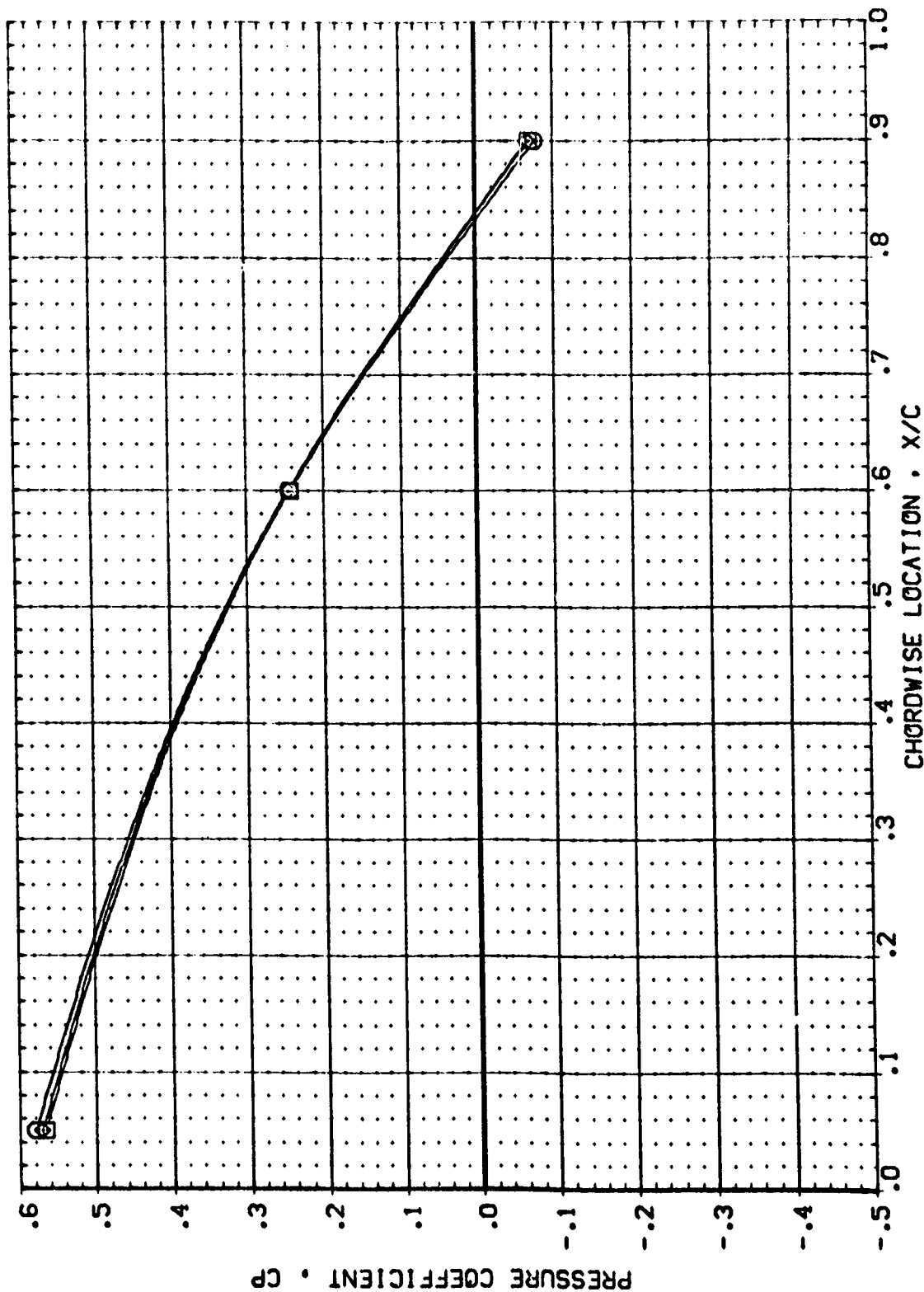


SSME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R9VB22) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (R9VB23) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (R9VB24) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER OFR SRPR RUDDER
 .000 .433 .469 .000
 1.000 .469 .000
 1.000



SCME ENGINE-OUT EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

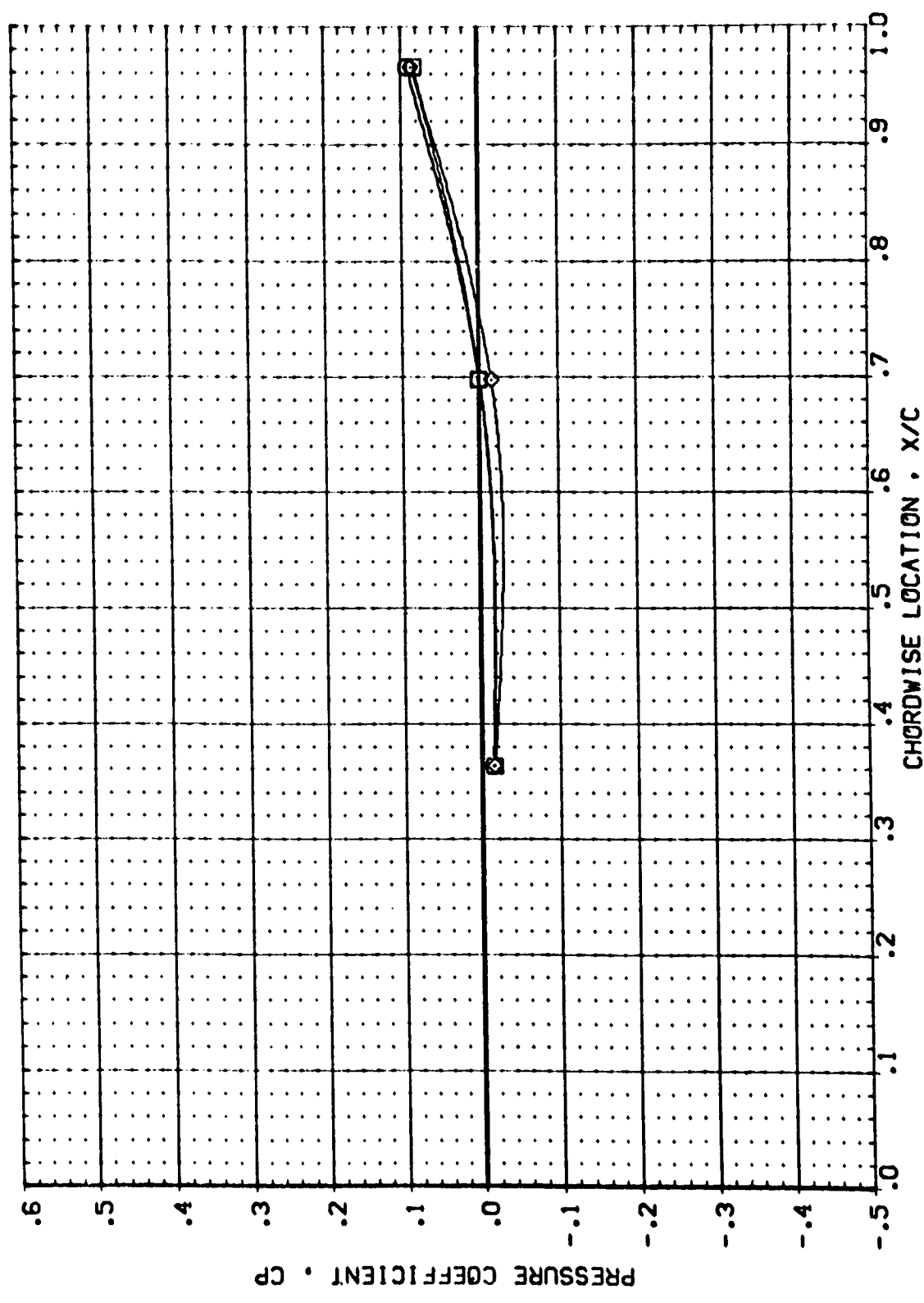
MACH = 1.550 ALPHA = 8.050 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION

RBV1221	ARC 97-710	Q1	T1	S1	(TOP WING)	
RBV128	ARC 97-710	Q1	T1	S1	(TOP WING)	
RBV144	ARC 97-710	Q1	T1	S1	(TOP WING)	

POWER OPR SRMPR GIMBAL

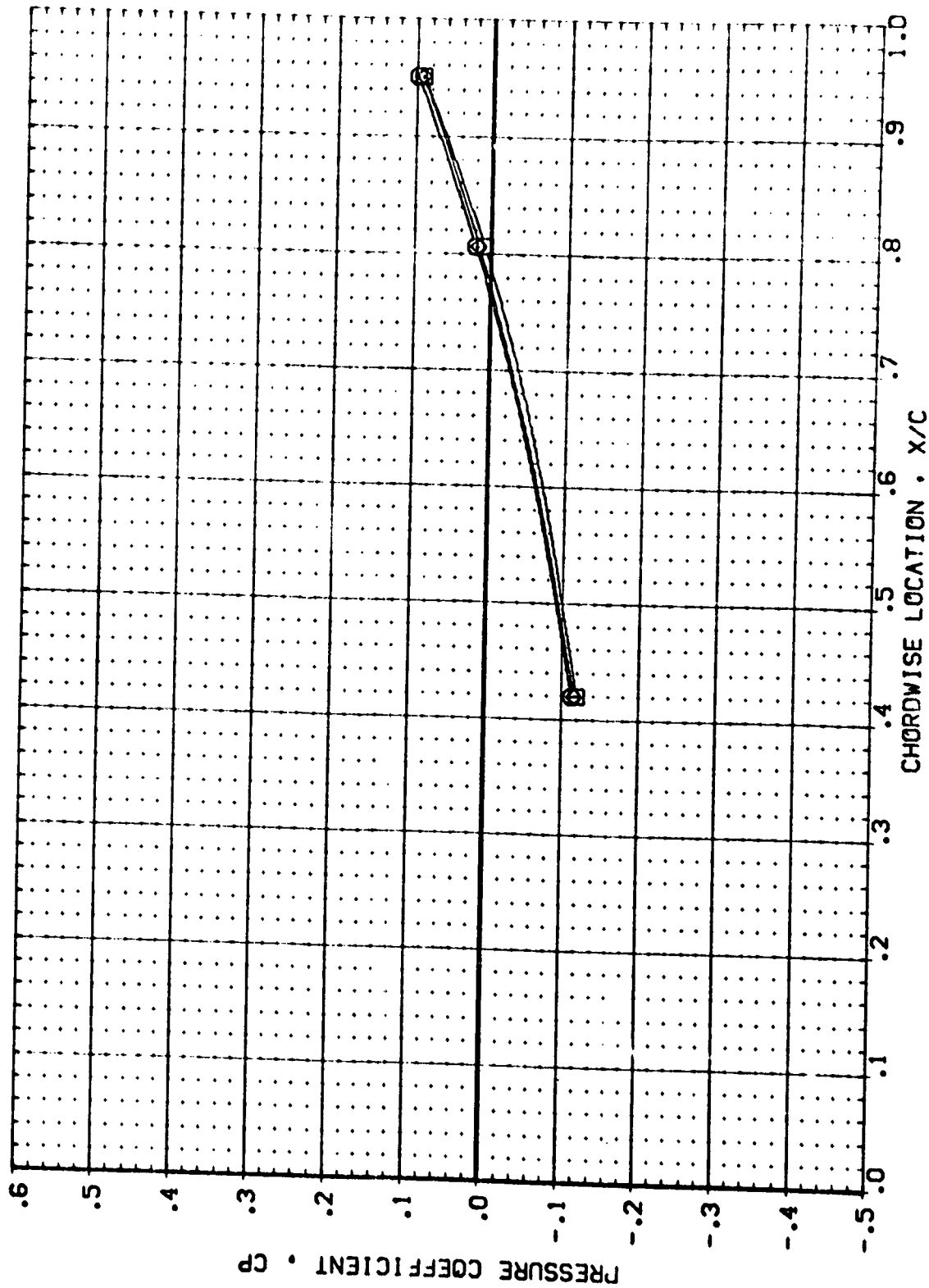
.000	.433	1.050	1.000
1.000	.433	1.050	1.000
1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .299 PAGE 109

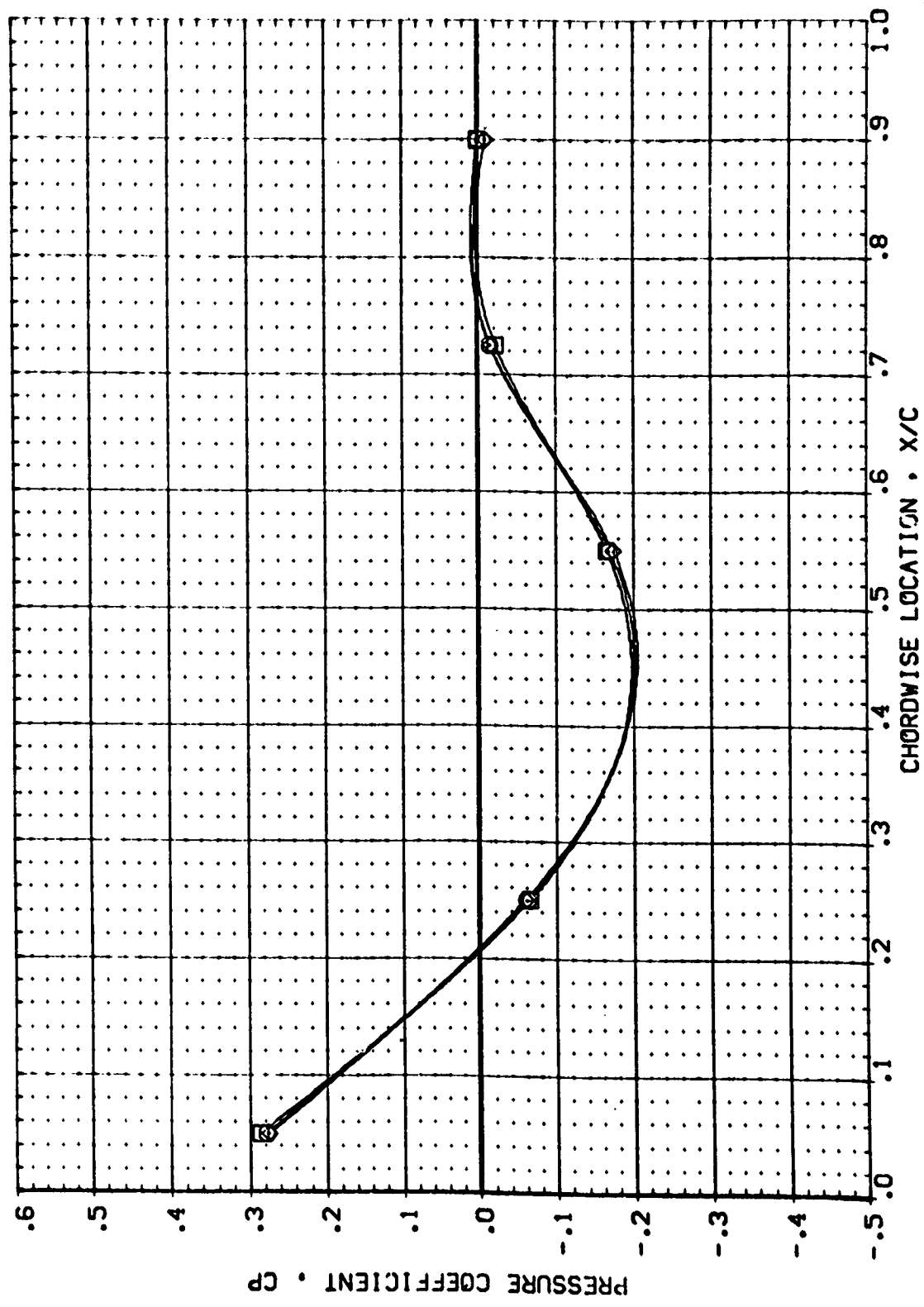
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	GIMBAL
(R8V122)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000			1.000
(R8V128)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	1.000
(R8V144)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

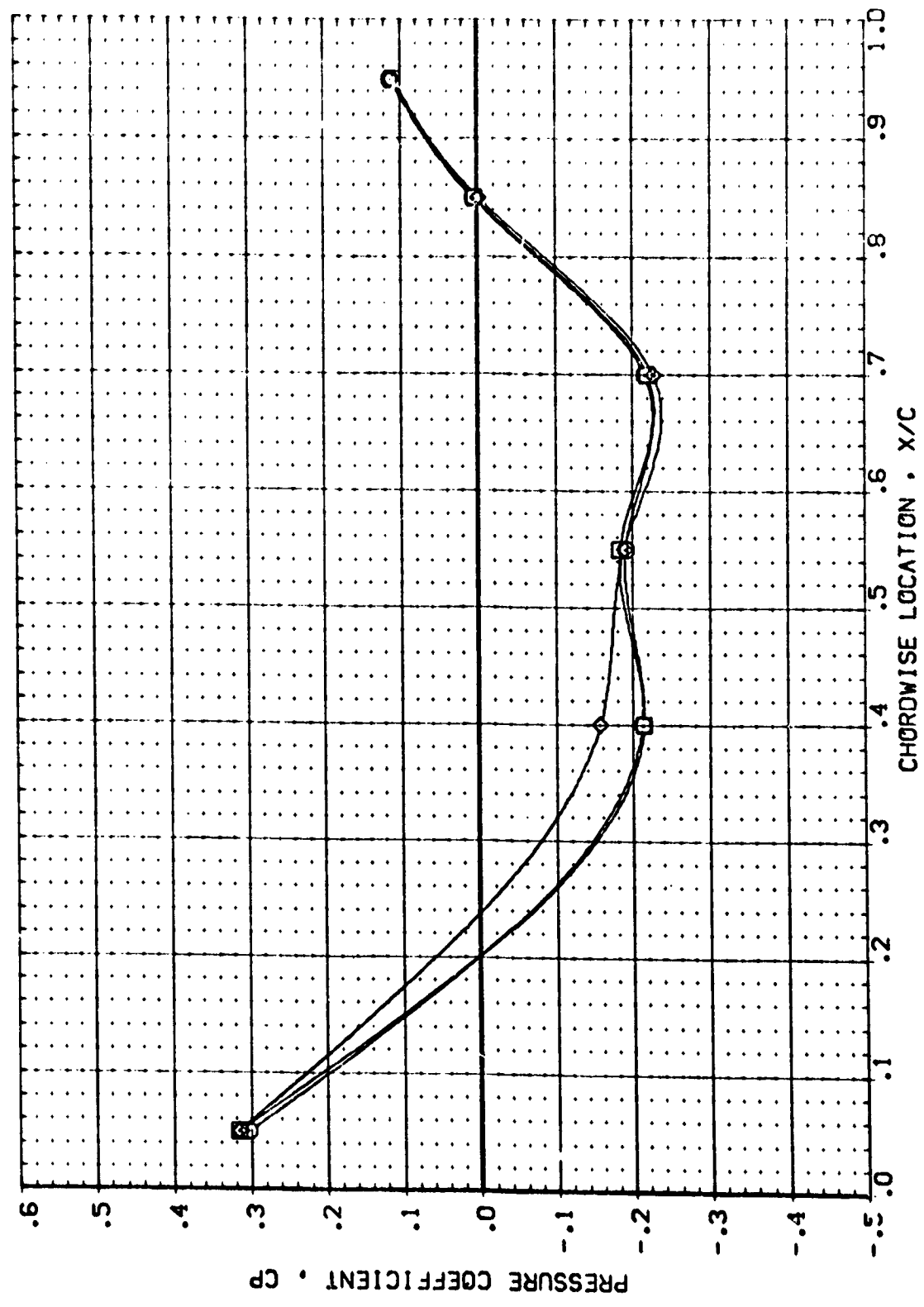
MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRPR	GIMBAL
(RBVT22)	ARC 97-710 1A128 01 T1 S1 (TOP VING) 11	.000	.433	1.050	1.000
(RBVT28)	ARC 97-710 1A128 01 T1 S1 (TOP VING) 11	1.000	.433	1.050	1.000
(RBVT44)	ARC 97-710 1A128 01 T1 S1 (TOP VING) 11	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(RBV722)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	.000	.433	1.050	1.000
(RBV728)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	1.000	.433	1.050	1.000
(RBV744)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	1.000	.433	1.050	2.000



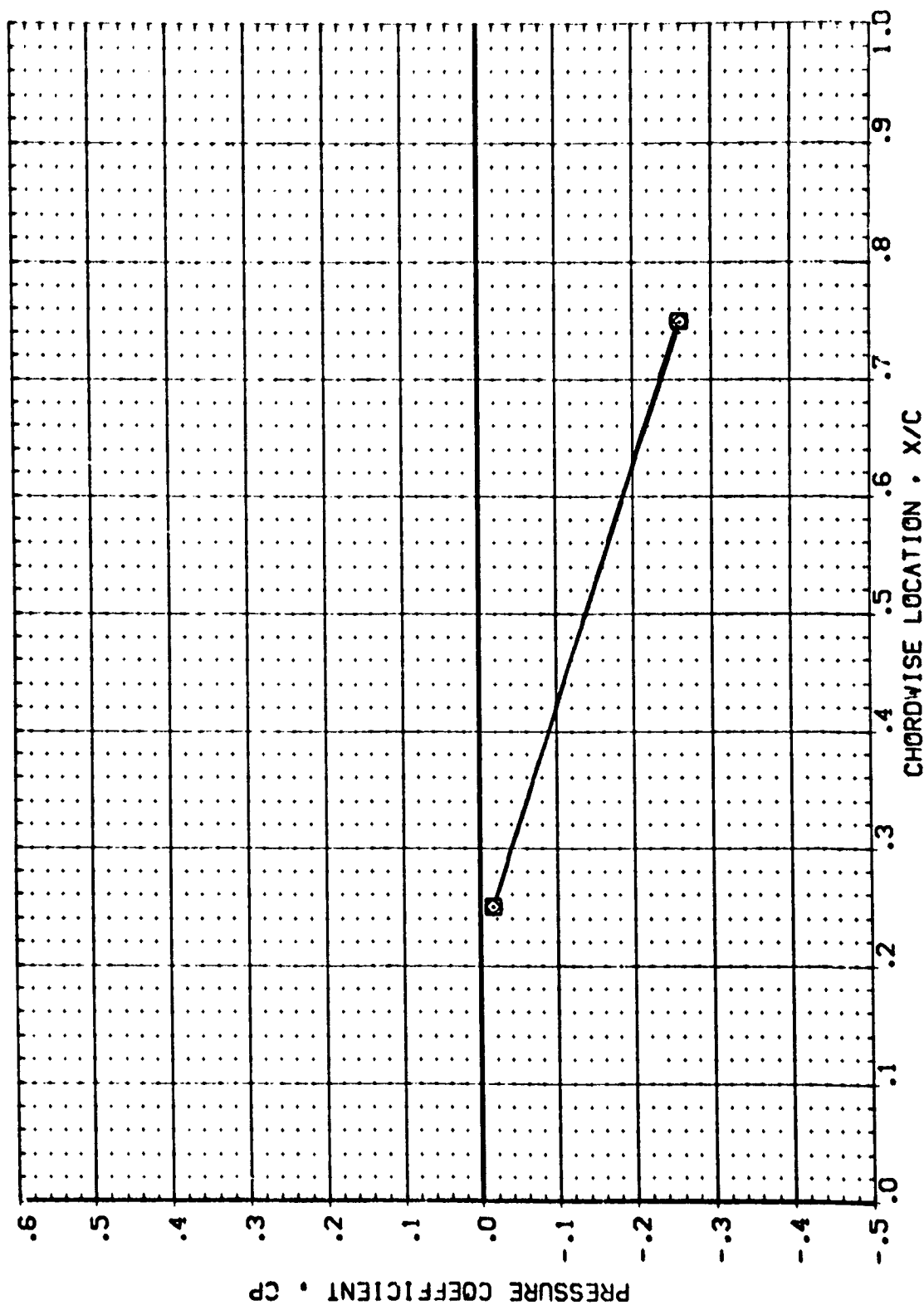
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TCP

MACH = 1.550 ALPHA = -7.970 ETA = .673 PAGE 112

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT22) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBVT28) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBVT44) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

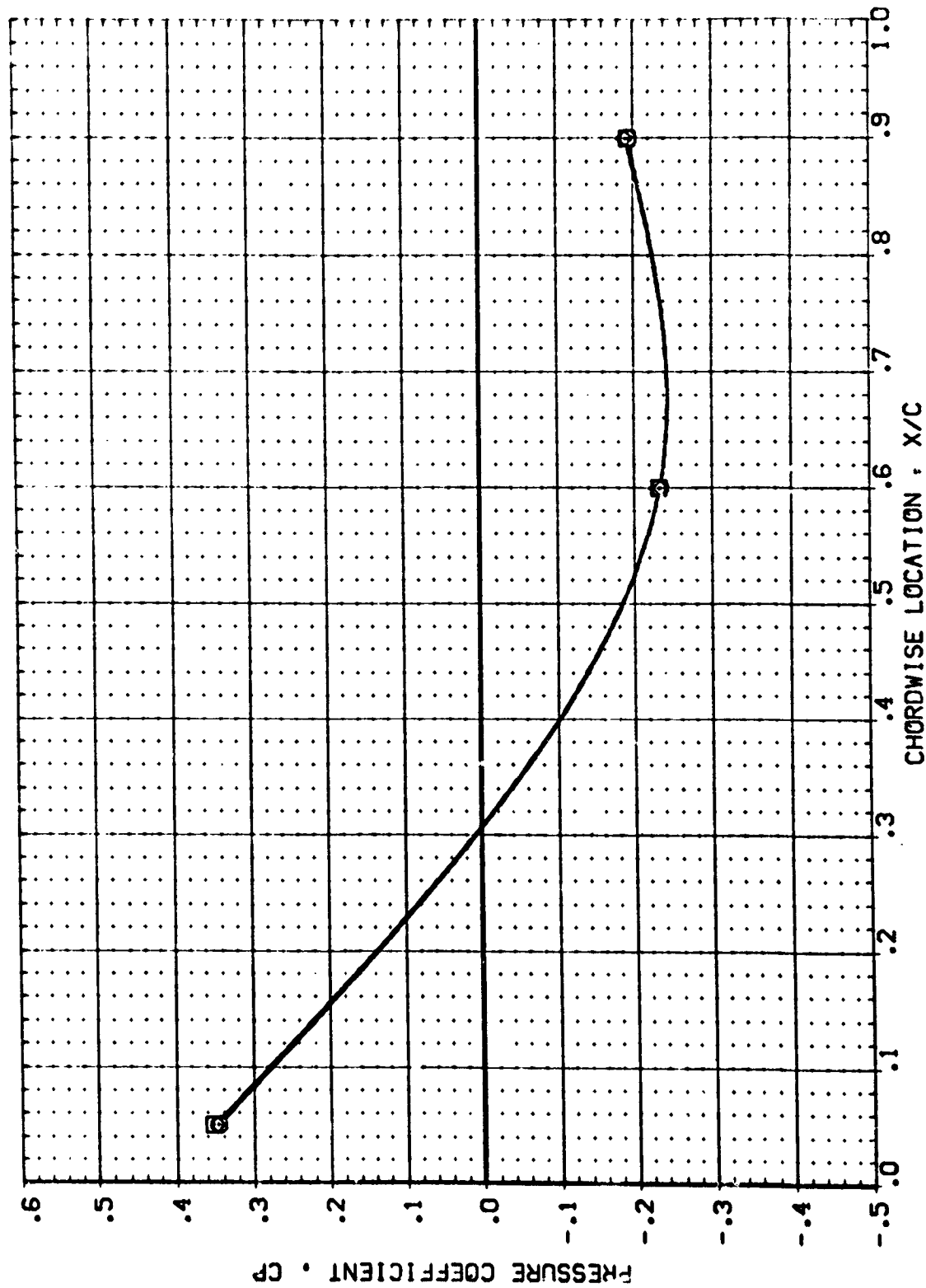
POWER OPR SRPRR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .780

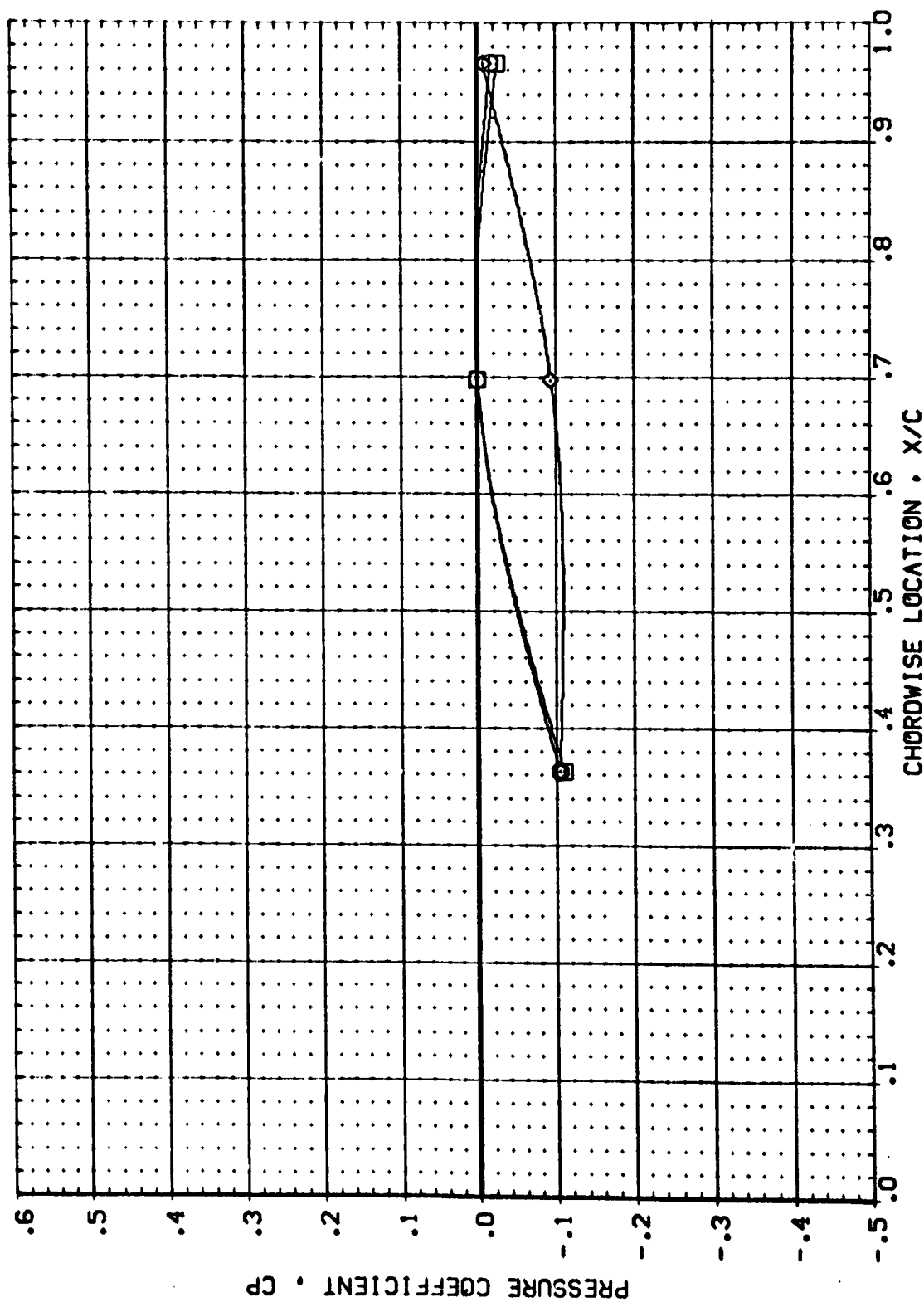
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	GIMBAL
(RBYT22)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.433	1.050	1.000
(RBYT26)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	1.000
(RBYT44)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .887 PAGE 114

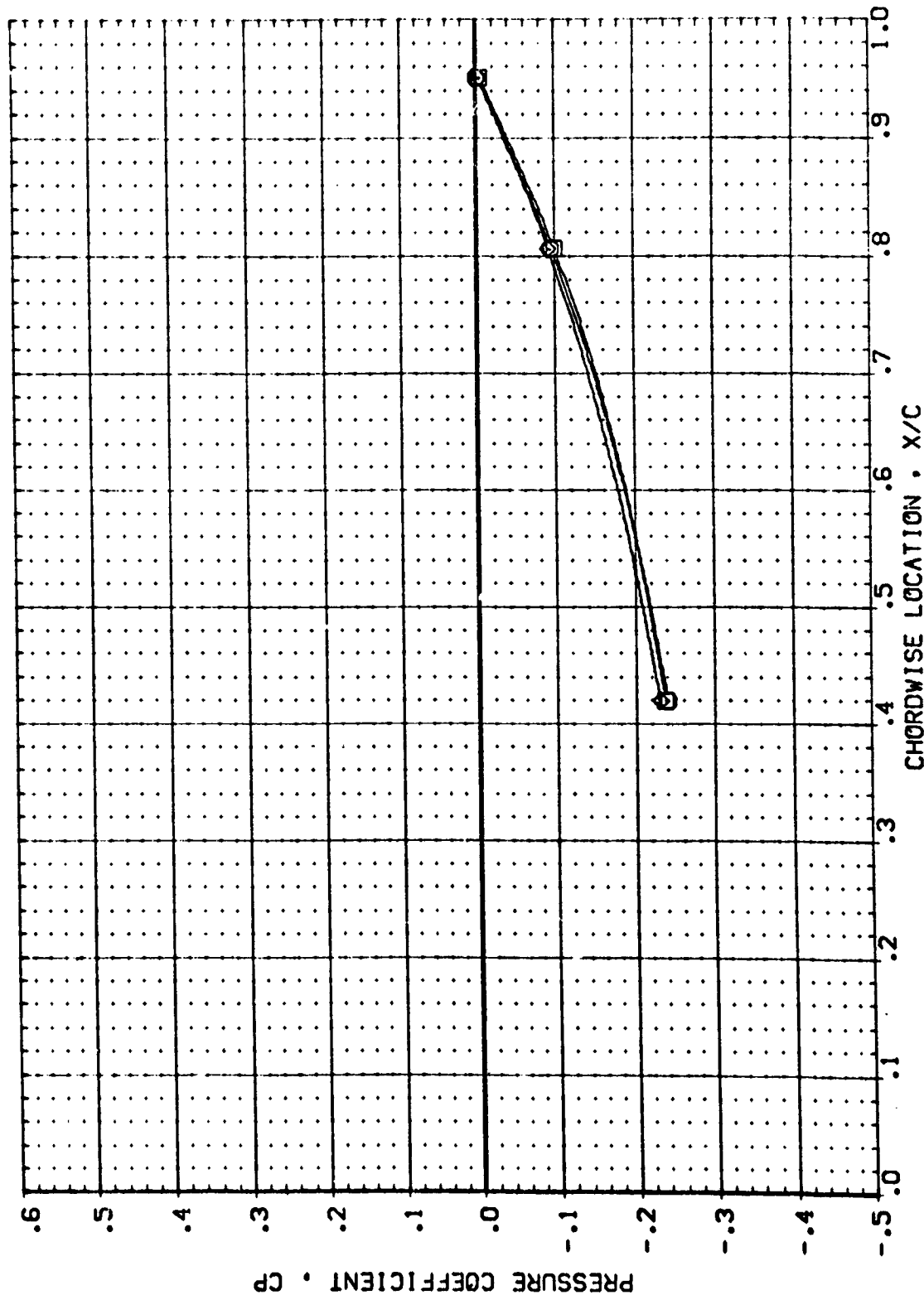
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(R8V722)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.433	1.050	1.000
(R8V728)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	1.000
(R8V744)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .299

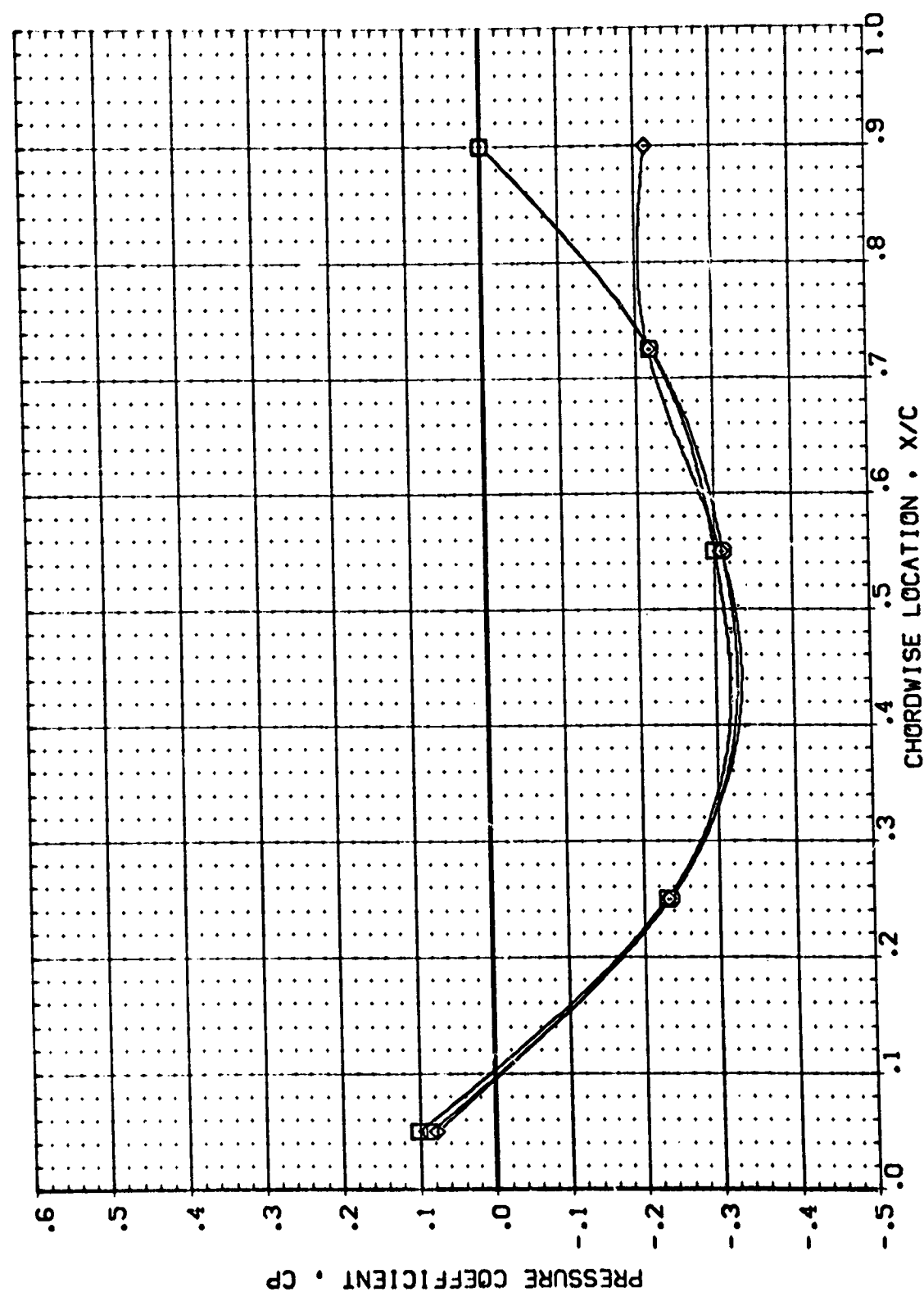
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(R8VT22)	ARC 97-710 (A128 01 T1 S1) (TOP VING)	.000			1.000
(R8VT26)	ARC 97-710 (A128 01 T1 S1) (TOP VING)	1.000	.433	1.050	1.000
(R8VT44)	ARC 97-710 (A128 01 T1 S1) (TOP VING)	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYM-BOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RBVT22)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.433	1.050	1.000
(RBVT28)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	1.000
(RBVT44)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	2.000

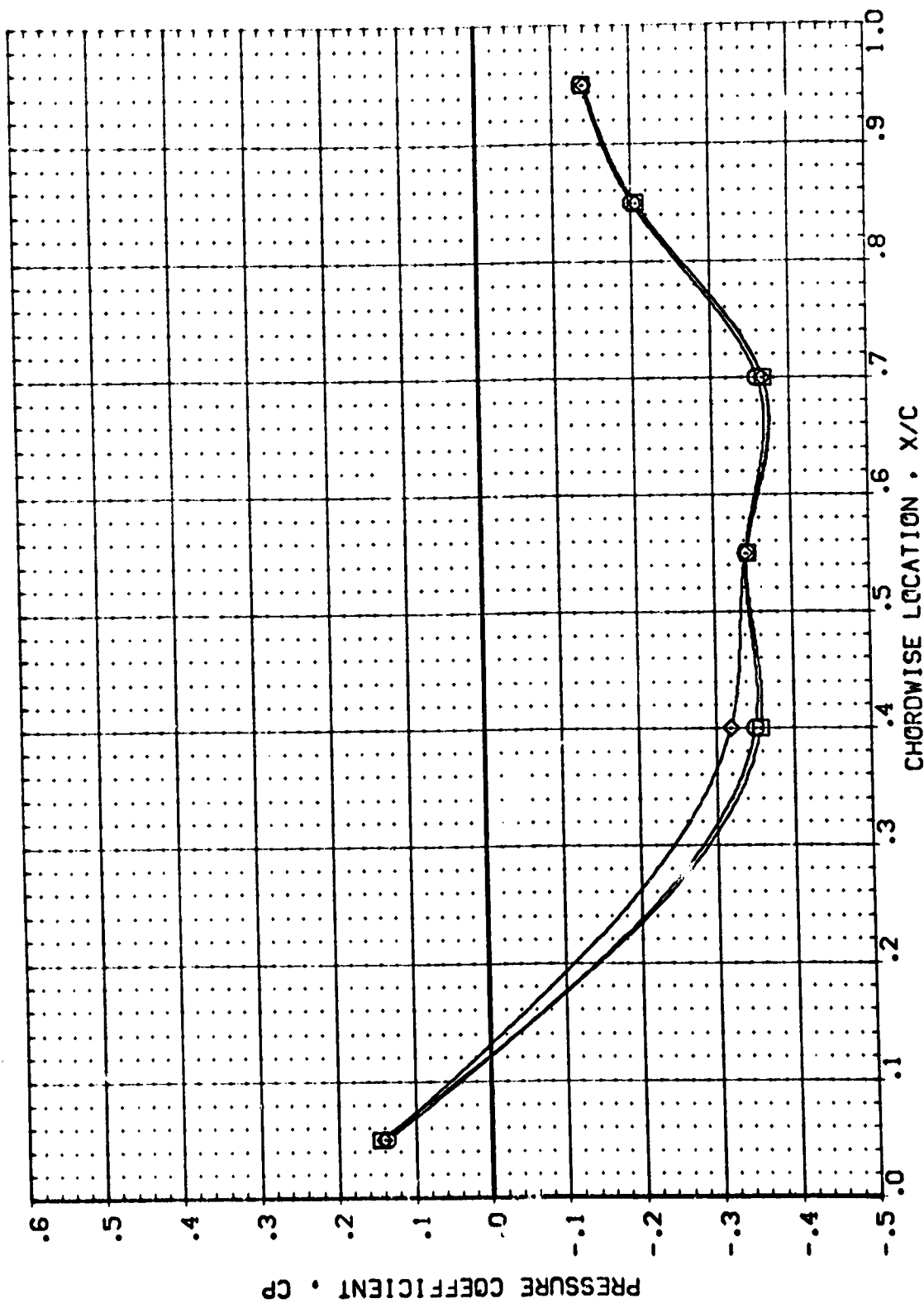


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV122) ARC 97-710 [A128 01 T1 S1 (TOP WING)] ||
 (RBV128) ARC 97-710 [A128 01 T1 S1 (TOP WING)] ||
 (RBV144) ARC 97-710 [A128 01 T1 S1 (TOP WING)] ||

POWER .000 .433 .433 .000
 SRMPR 1.000 1.050 1.050 1.000
 GIMBAL 1.000 1.000 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

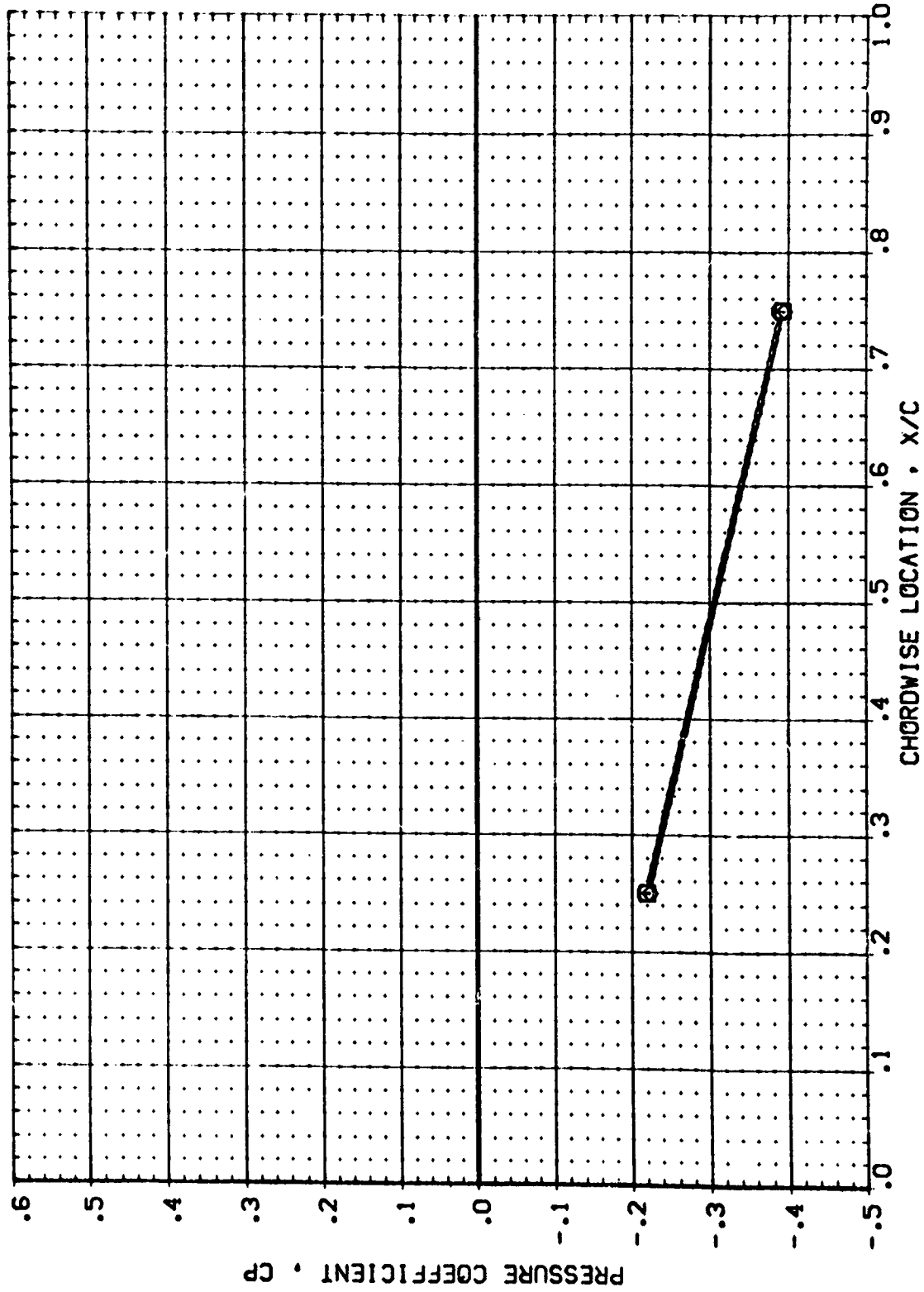
MACH = 1.550 ALPHA = .020 ETA = .673 PAGE 118

DATA SET SYMBOL CONFIGURATION DESCRIPTION

SYMBOL	ARC	97-710	1A128	O1	T1	S1	(TOP VING)
[RBV122]							
[RBV128]							
[RBV144]							

POWER QPR SRMPR GIMBAL

POWER	QPR	SRMPR	GIMBAL
.000			1.000
1.000	.433	1.050	1.000
1.000	.433	1.050	2.000



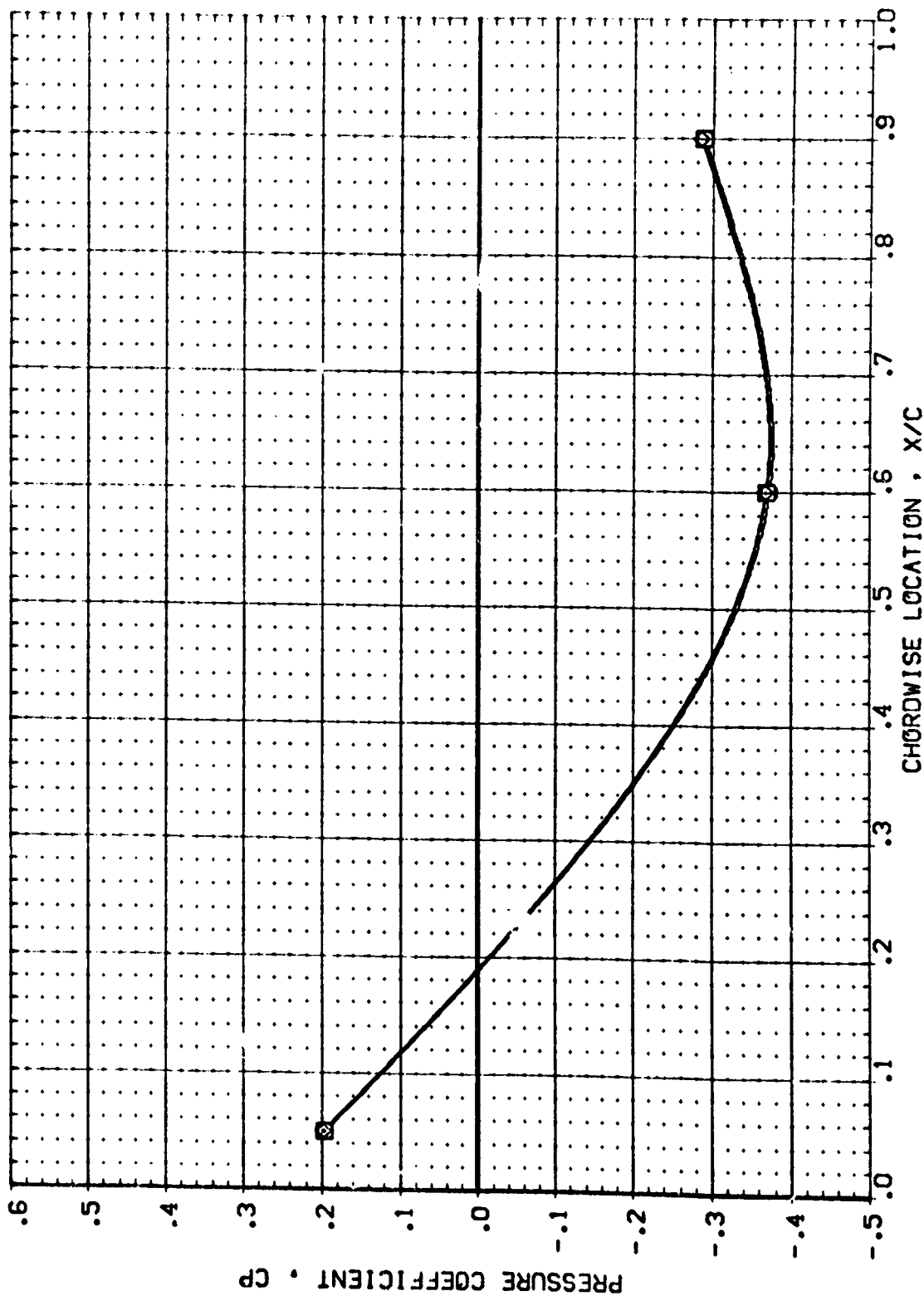
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT22) ARC 97-710 [A128 01 T1 S1 (TOP WING)]
 (RBVT28) ARC 97-710 [A128 01 T1 S1 (TOP WING)]
 (RBVT44) ARC 97-710 [A128 01 T1 S1 (TOP WING)]

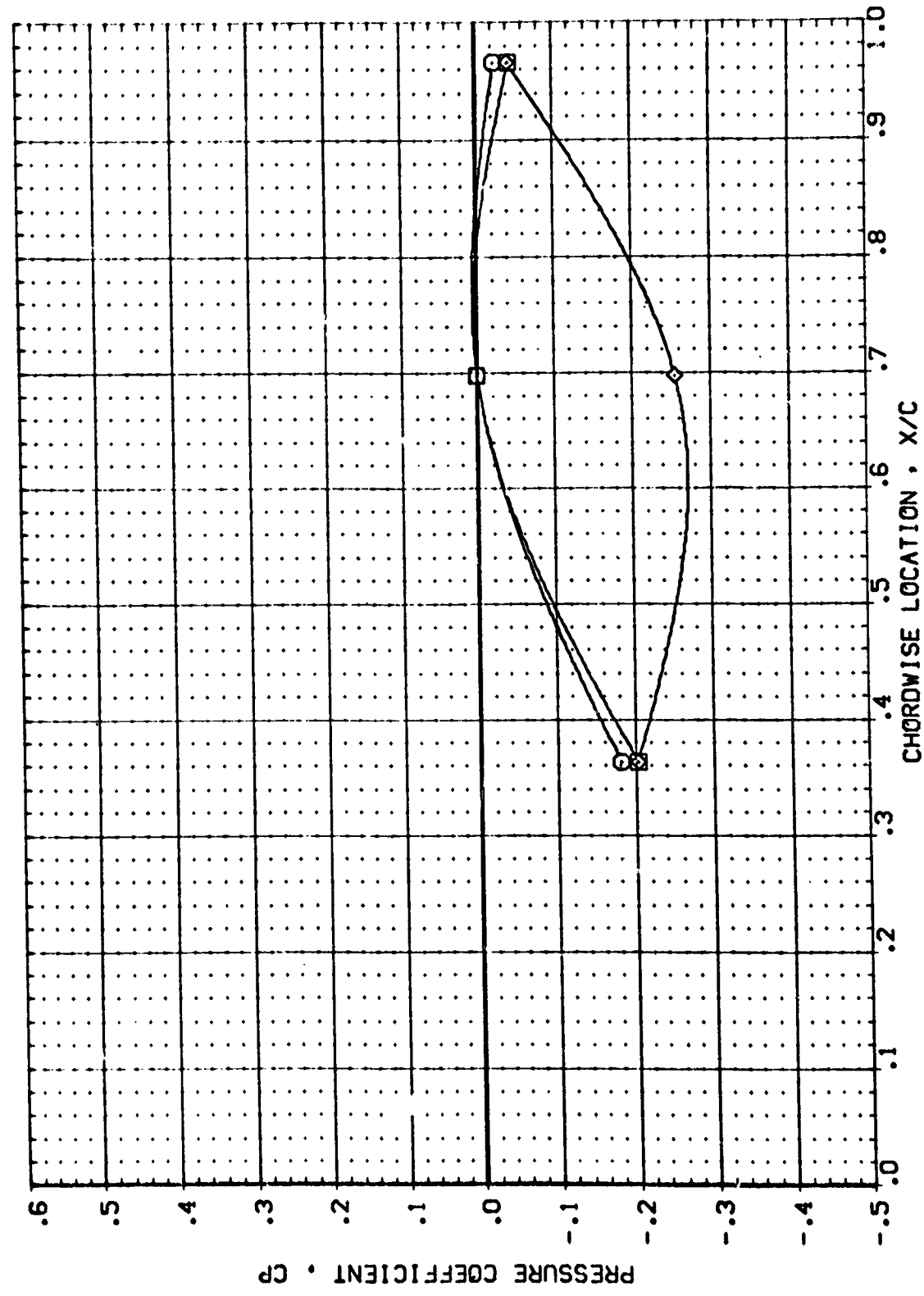
POWER OPR SRMPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

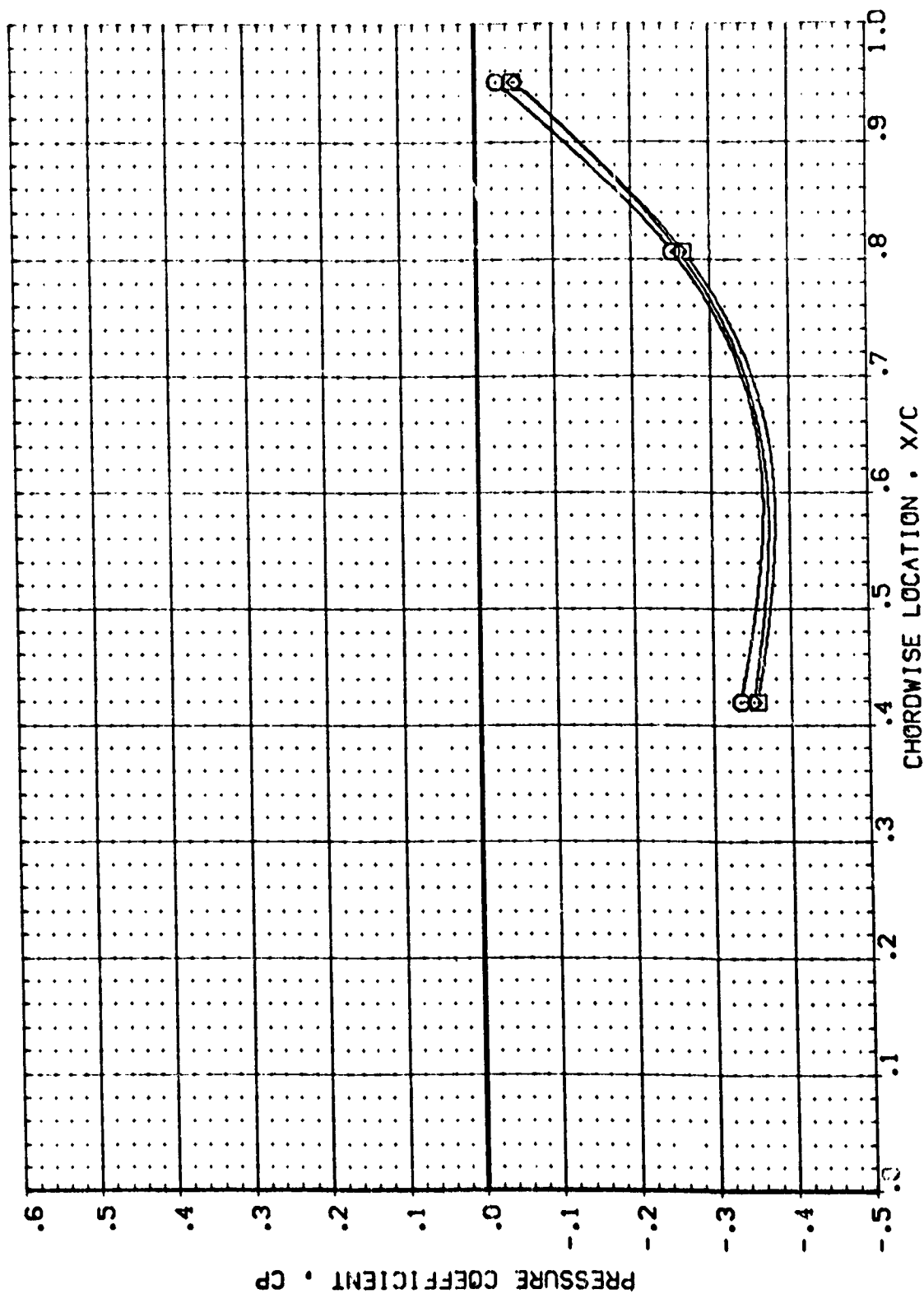
MACH = 1.550 ALPHA = .020 ETA = .887

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRPR	GIMBAL
(RBV122)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000			1.000
(RBV126)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	1.000
(RBV144)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

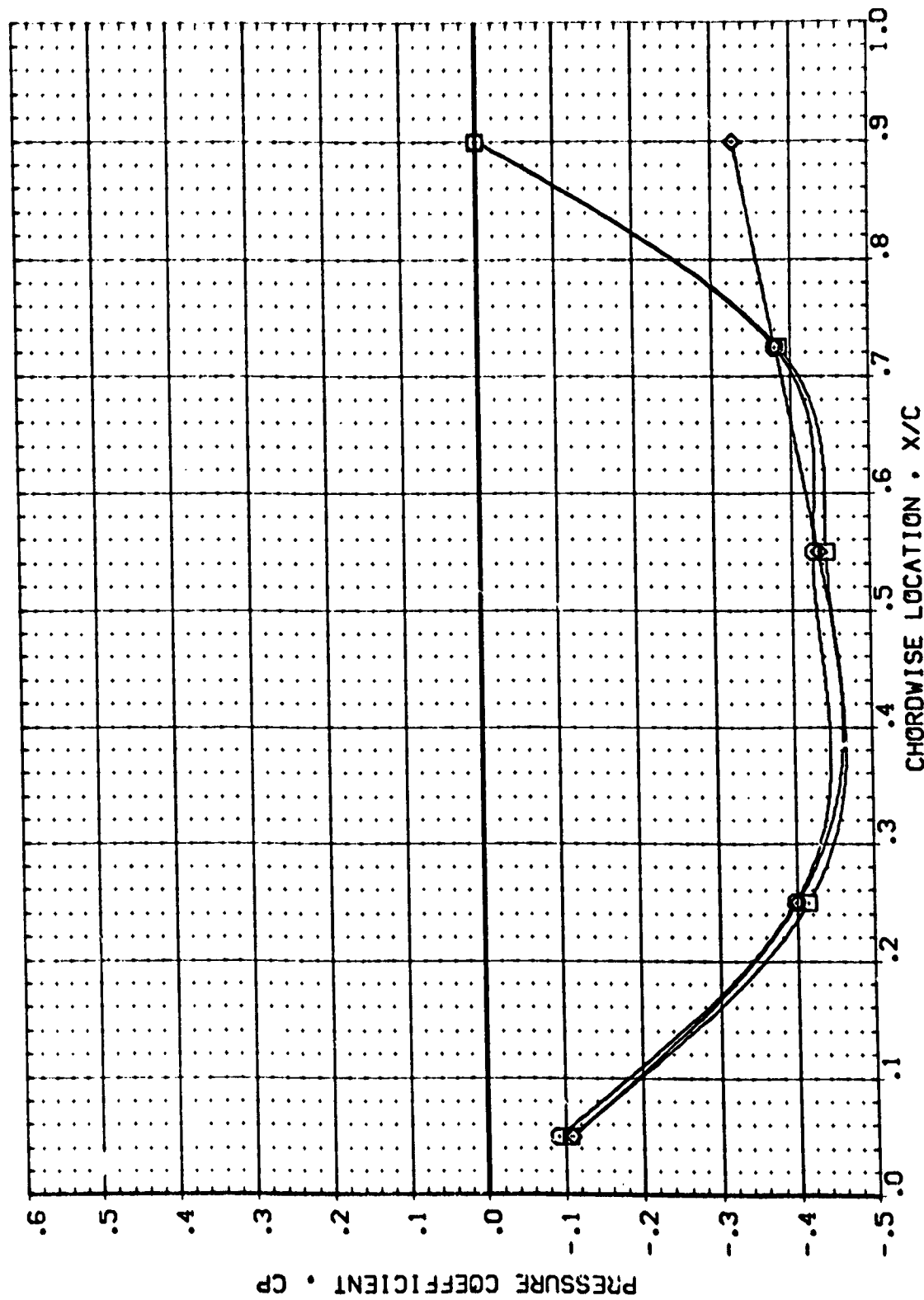
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
RBV122	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	.000	.433	1.050	1.000
RBV128	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.433	1.050	1.000
RBV144	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.433	1.050	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	GIMBAL
(RBT22)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	.000	.433	1.050	1.000
(RBT28)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	1.000	.433	1.050	1.000
(RBT44)	ARC 97-710 (A128 01 T1 S1 (TOP VING))	1.000	.433	1.050	2.000

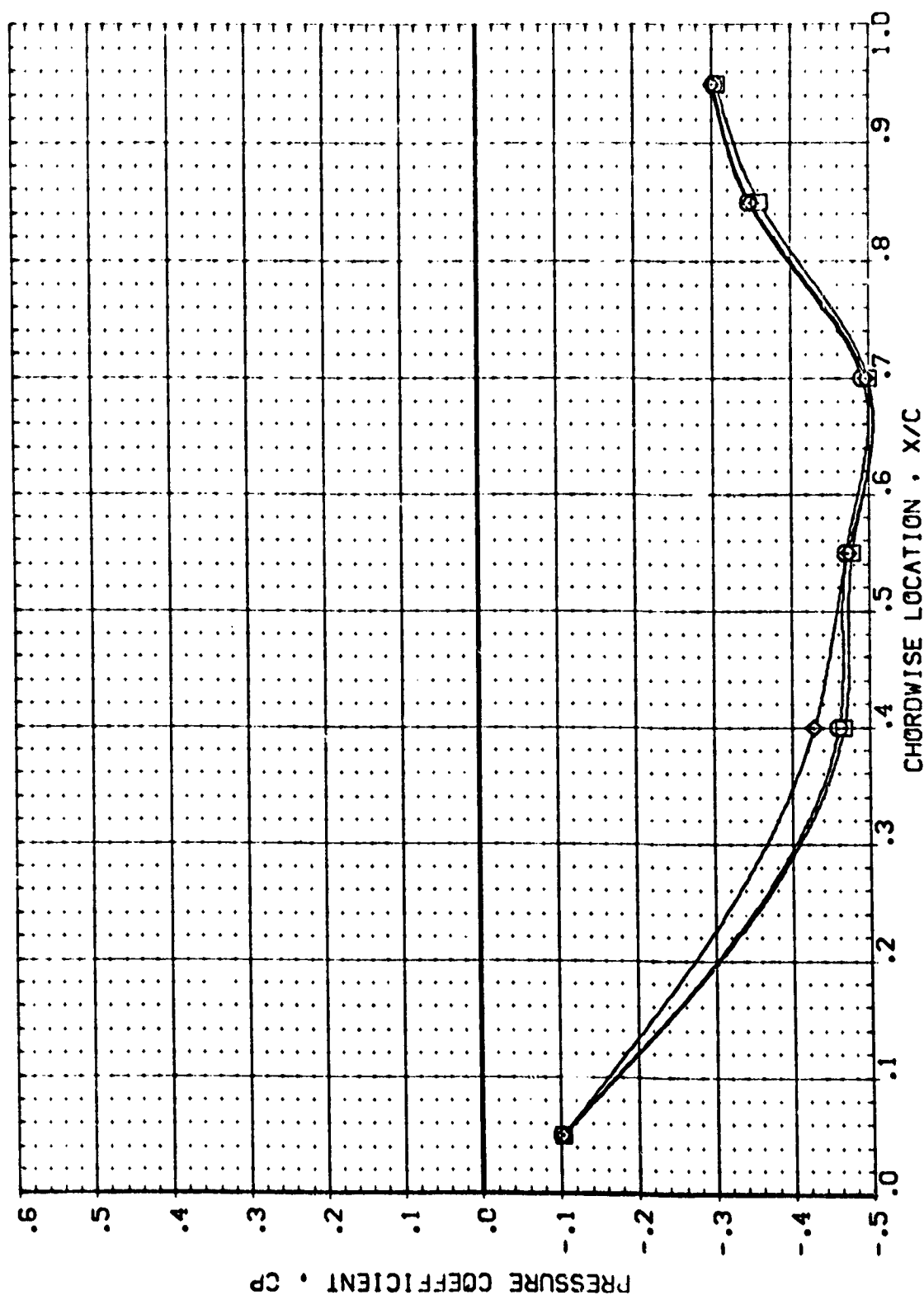


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT22) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (RBVT26) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (RBVT44) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]

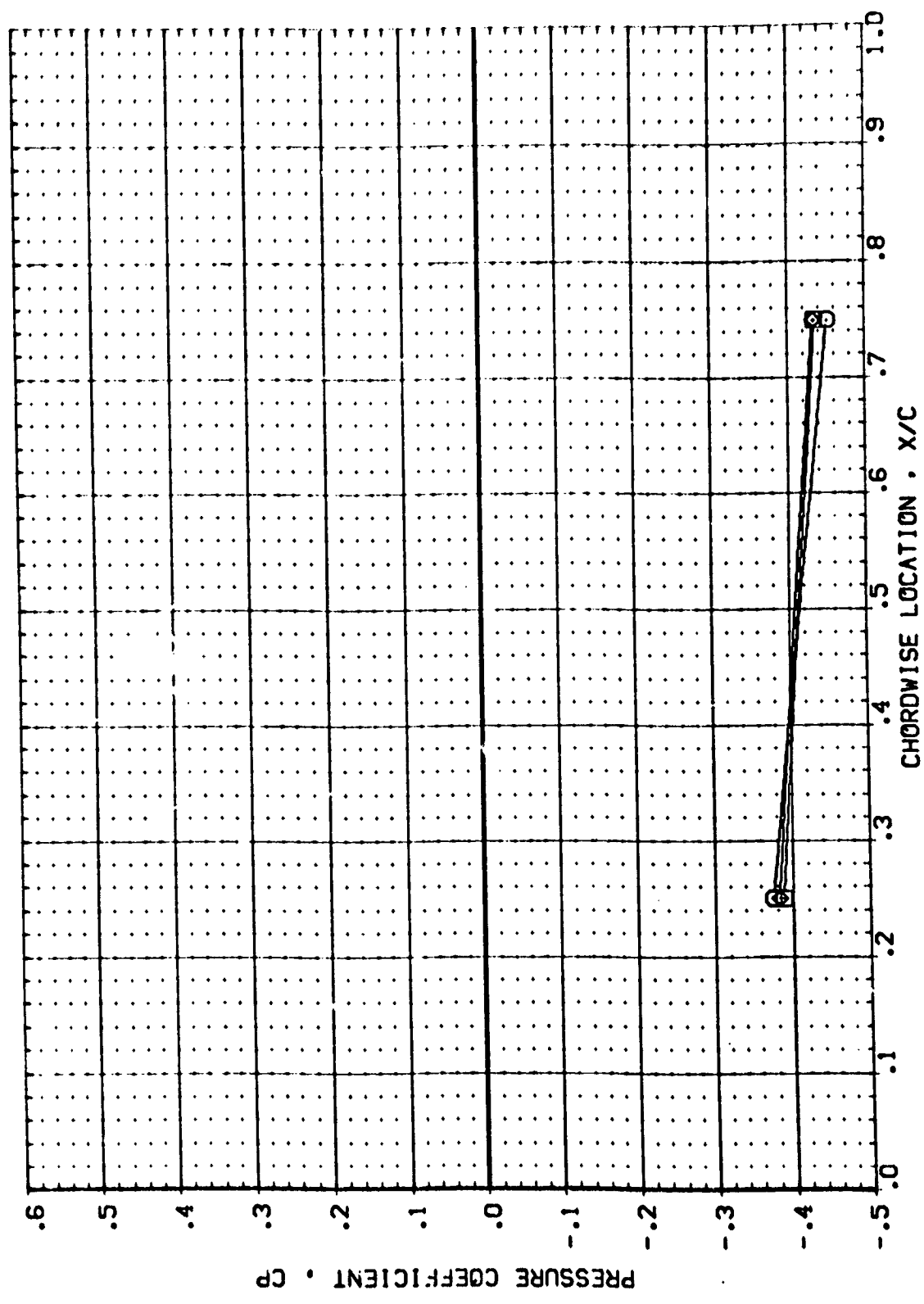
POWER DFR SRMPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
[RBV122]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000			1.000
[RBV128]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	1.050	1.000
[RBV144]	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.433	1.050	2.000

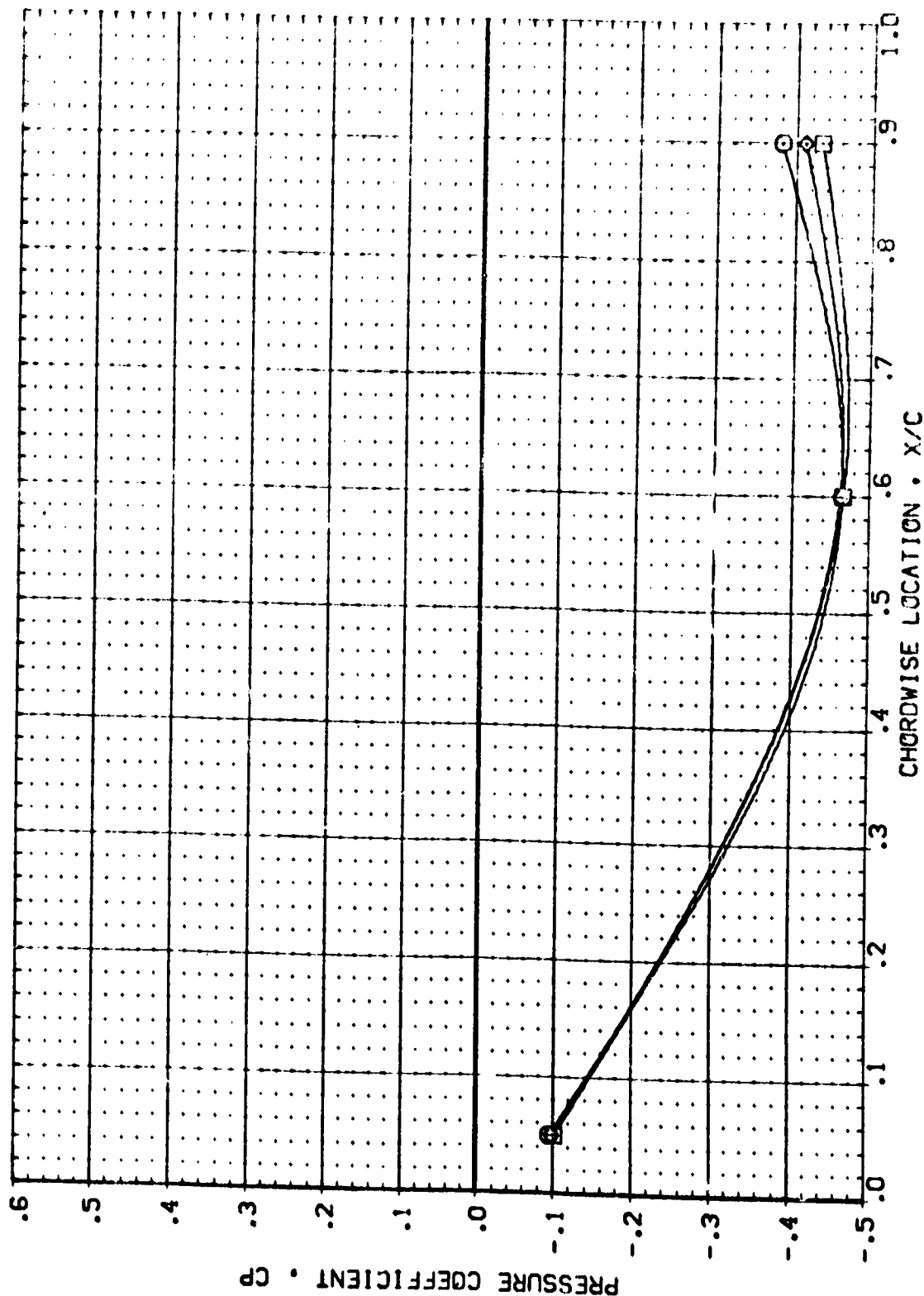


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV122) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBV128) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBV144) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

POWER DPR SRMPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .133 1.050 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

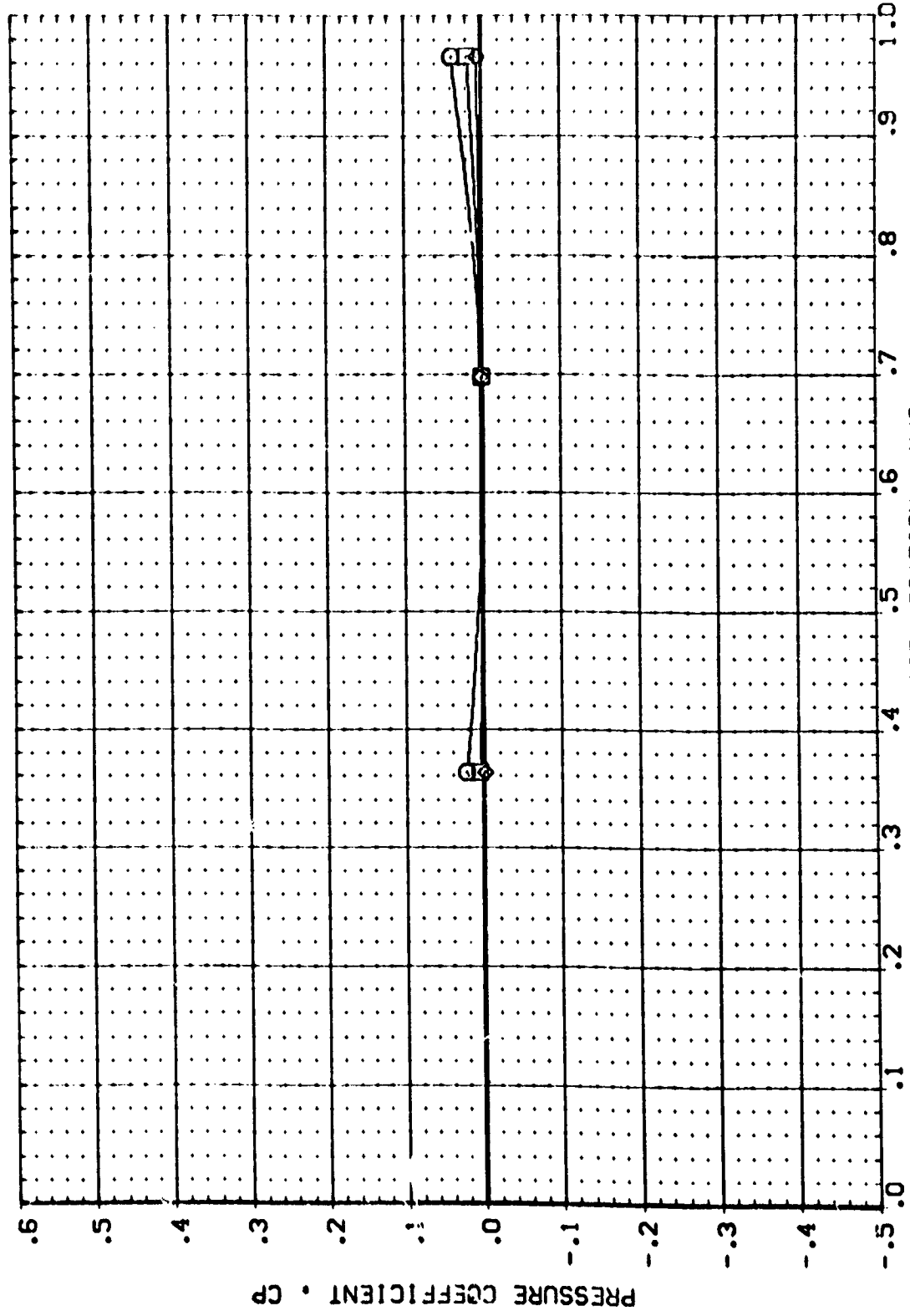
MACH = 1.550 ALPHA = 8.050 ETA = .897

DATA SET SYMBOL CONFIGURATION DESCRIPTION

	ARC 97-71C	A128	CI	TI	SI	(TOP WING)
(RBVT21)						
(RBVT31)						
(RBVT49)						

POWER CDR SPRR GIMBAL

	POWER	CDR	SPRR	GIMBAL
	.000	.409	1.245	1.000
	1.000	.409	1.245	1.000
	1.000	.409	1.245	2.000



CHORDWISE LOCATION - X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .299

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

ARC 97-710 (A128)

SI (TOP WING)

II

POWER

OPR

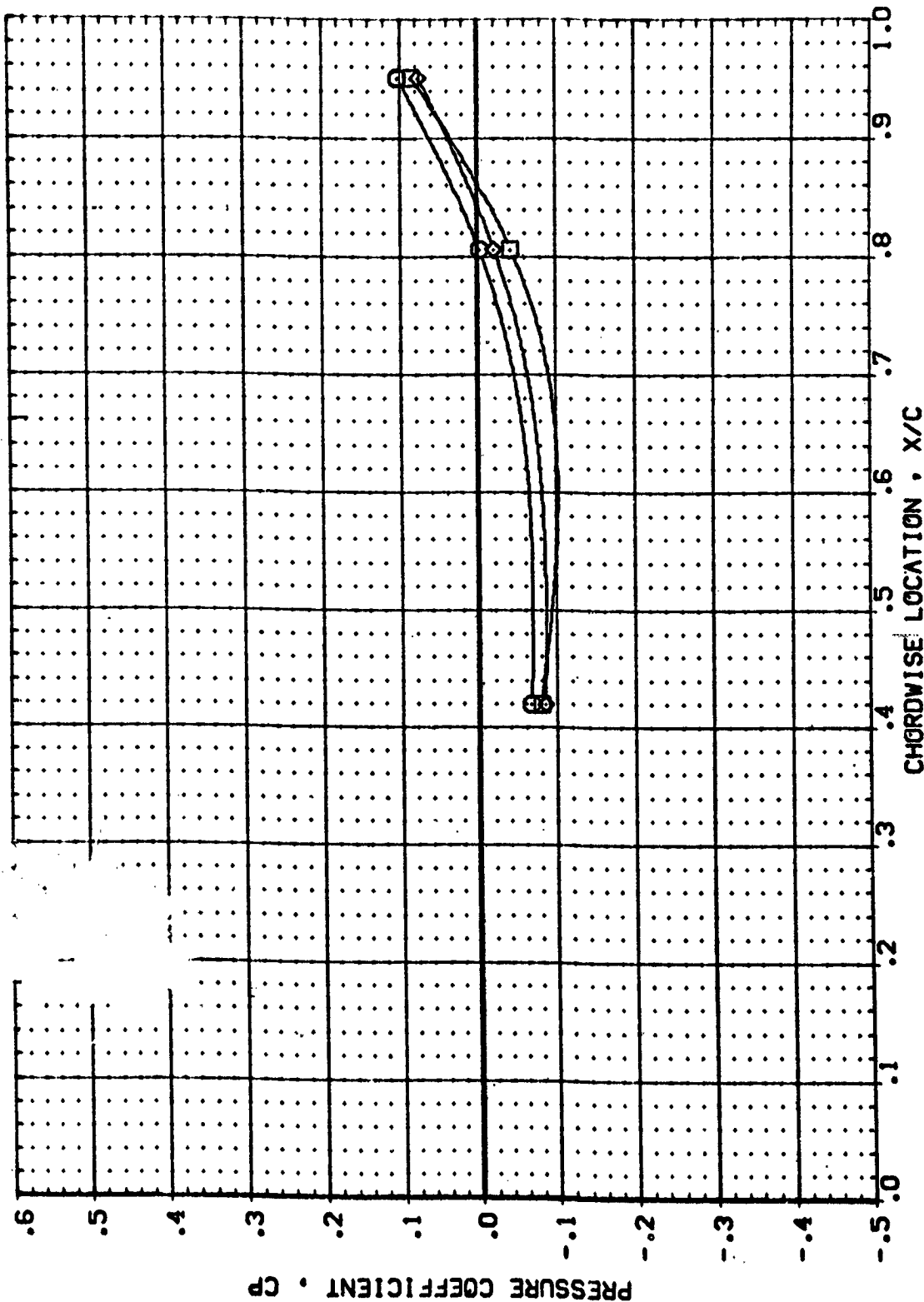
40°

0.125

1.000

1.000

2.000

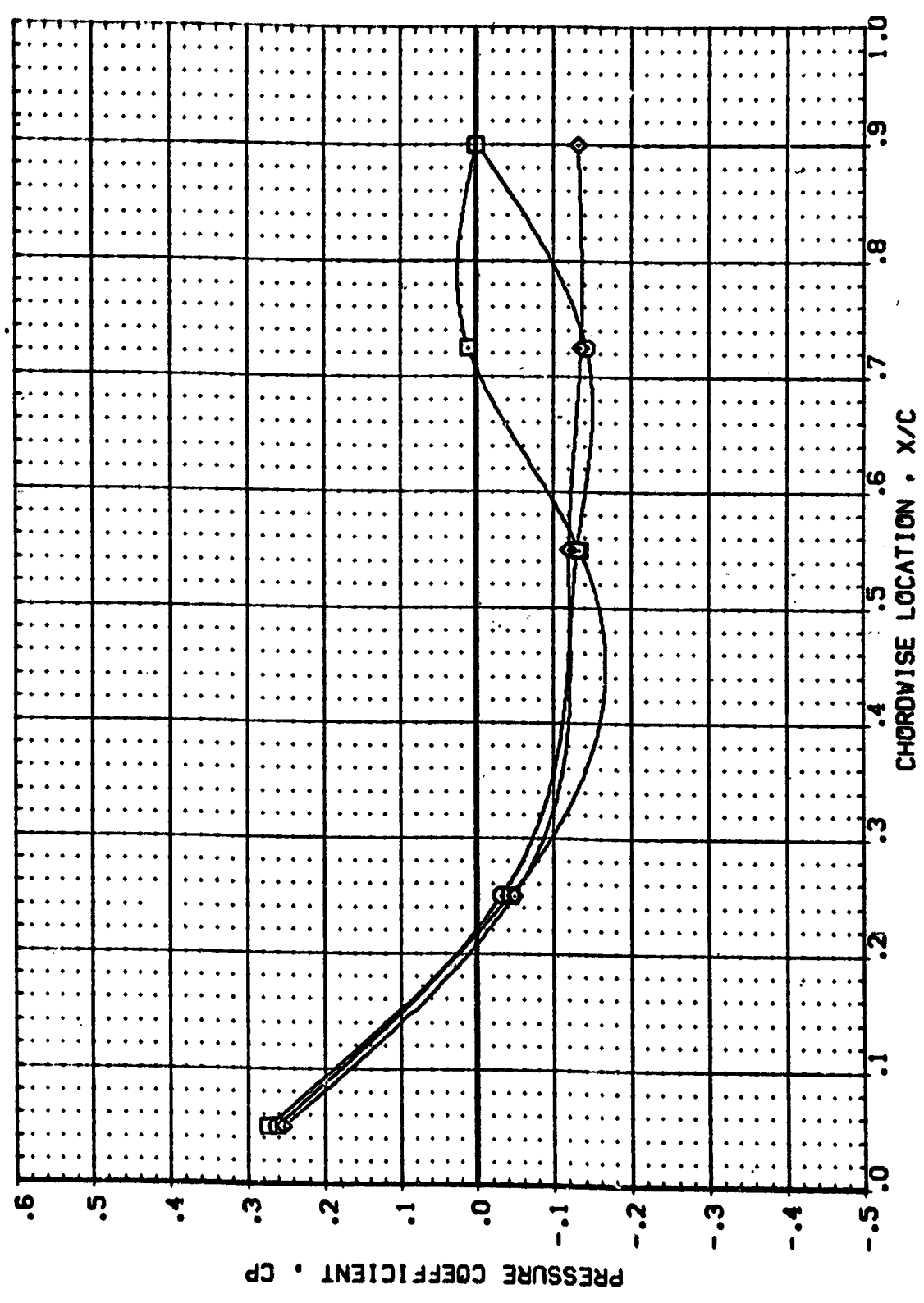


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .427

PAGE 128

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SWPR	GIMBAL
(RBV721)	ARC 97-710 IA128 OI TI SI (TOP VING)	.000	.409	1.245	1.000
(RBV731)	ARC 97-710 IA128 OI TI SI (TOP VING)	1.000	.409	1.245	1.000
(RBV749)	ARC 97-710 IA128 OI TI SI (TOP VING)	1.000	.409	1.245	2.000

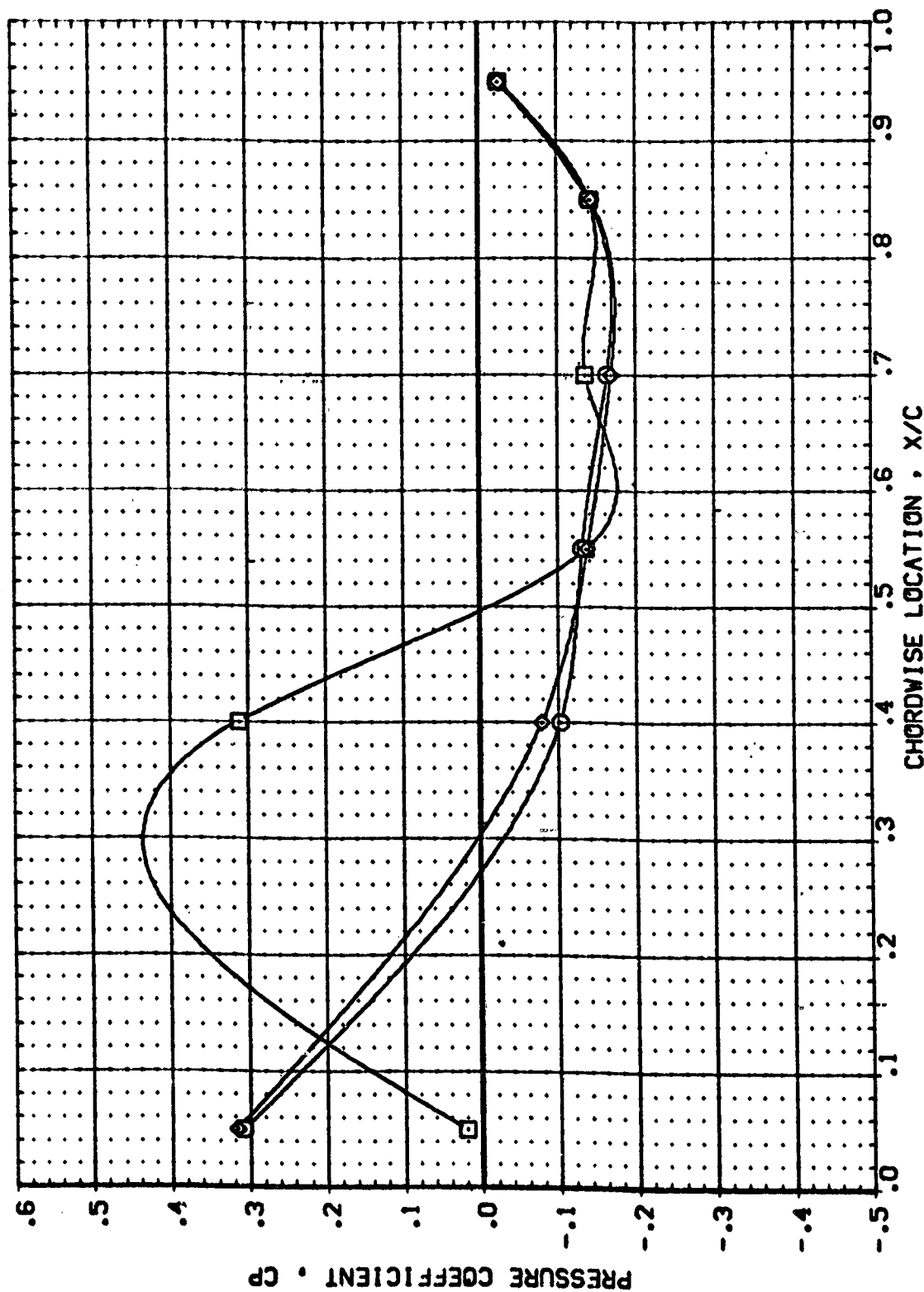


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBT21) ARC 97-710 1A128 01 T1 S1 (TOP WING) II
 (RBT31) ARC 97-710 1A128 01 T1 S1 (TOP WING) II
 (RBT49) ARC 97-710 1A128 01 T1 S1 (TOP WING) II

POWER 0.000 1.000 1.000
 CDR .409 .409 .409
 SHPR 1.245 1.245 1.245
 GIMBAL 1.000 1.000 2.000






CHORDWISE LOCATION, X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

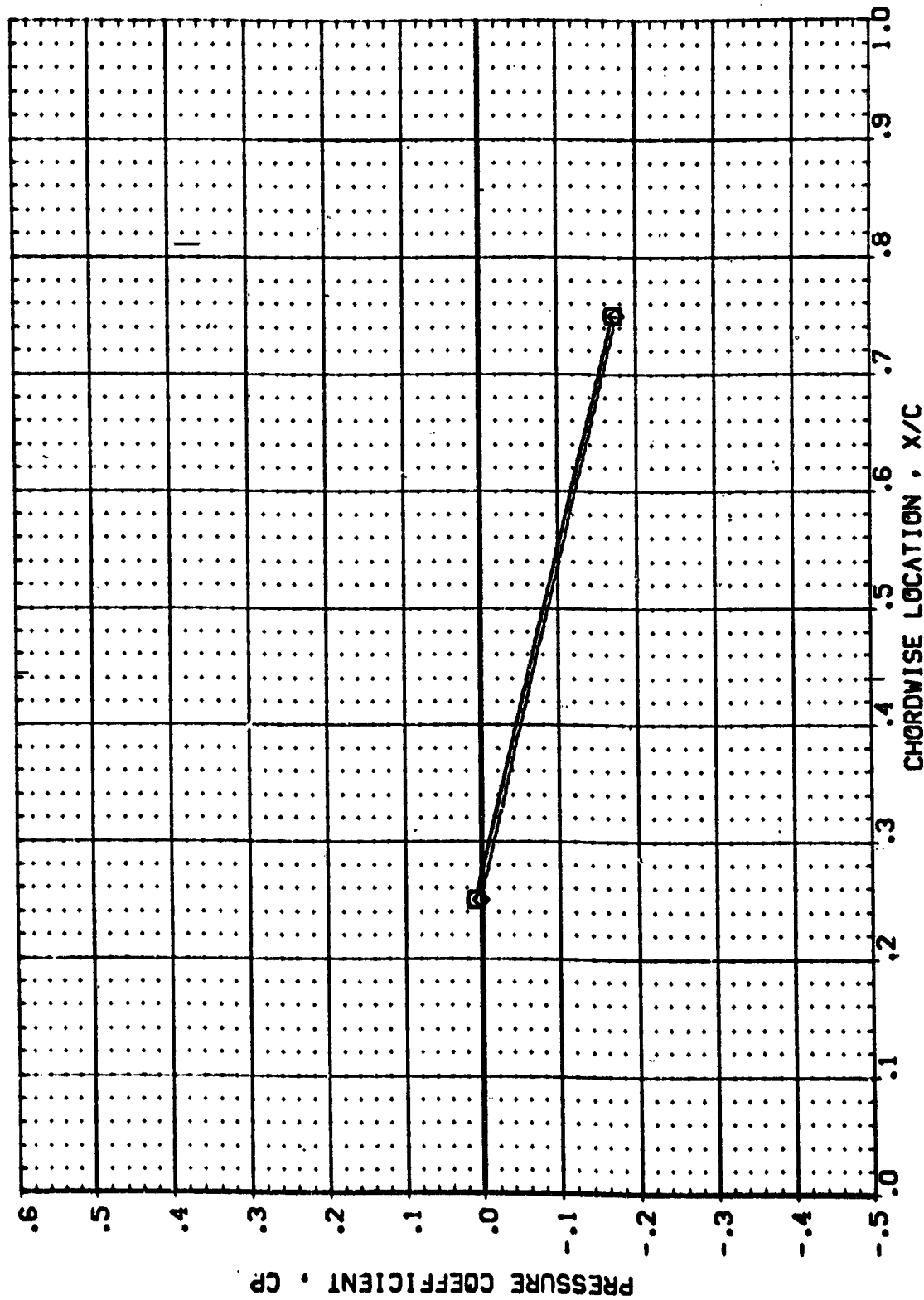
MACH = 2.000 ALPHA = -7.520 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT21) 
 (RBVT31) 
 (RBVT49) 

ARC 97-710 1A128 01 T1 S1 (TOP VING) 11
 ARC 97-710 1A128 01 T1 S1 (TOP VING) 11
 ARC 97-710 1A128 01 T1 S1 (TOP VING) 11

POWER OFF SHPR GIMBAL
 OC 1.000 1.000
 1.000 .409 1.245
 1.000 .409 1.245 2.000



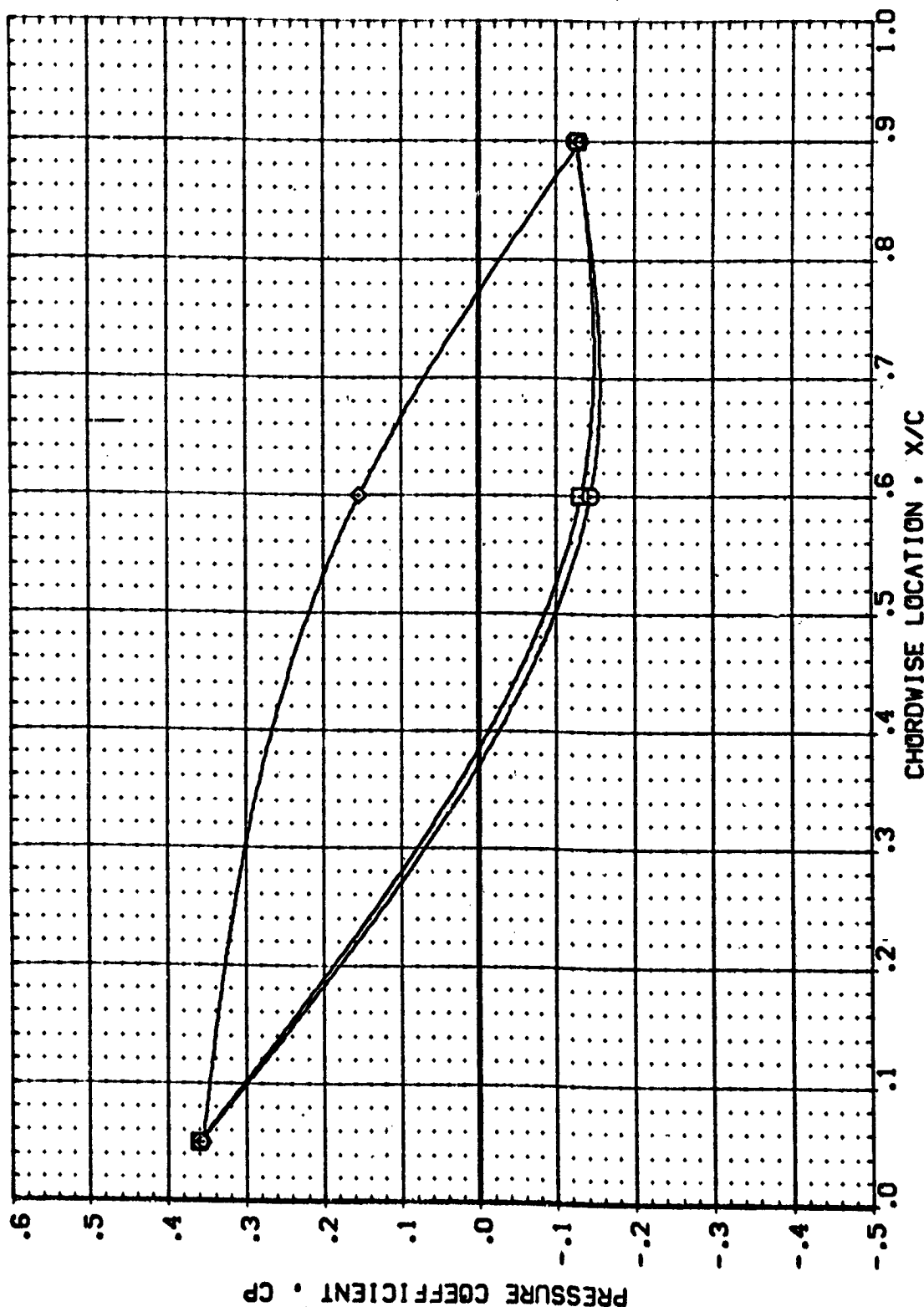
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R9V721) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (R9V731) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (R9V749) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]

POWER C/R SRMPR GIMBAL
 .000 1.245 1.000
 1.000 .409 1.245 2.000

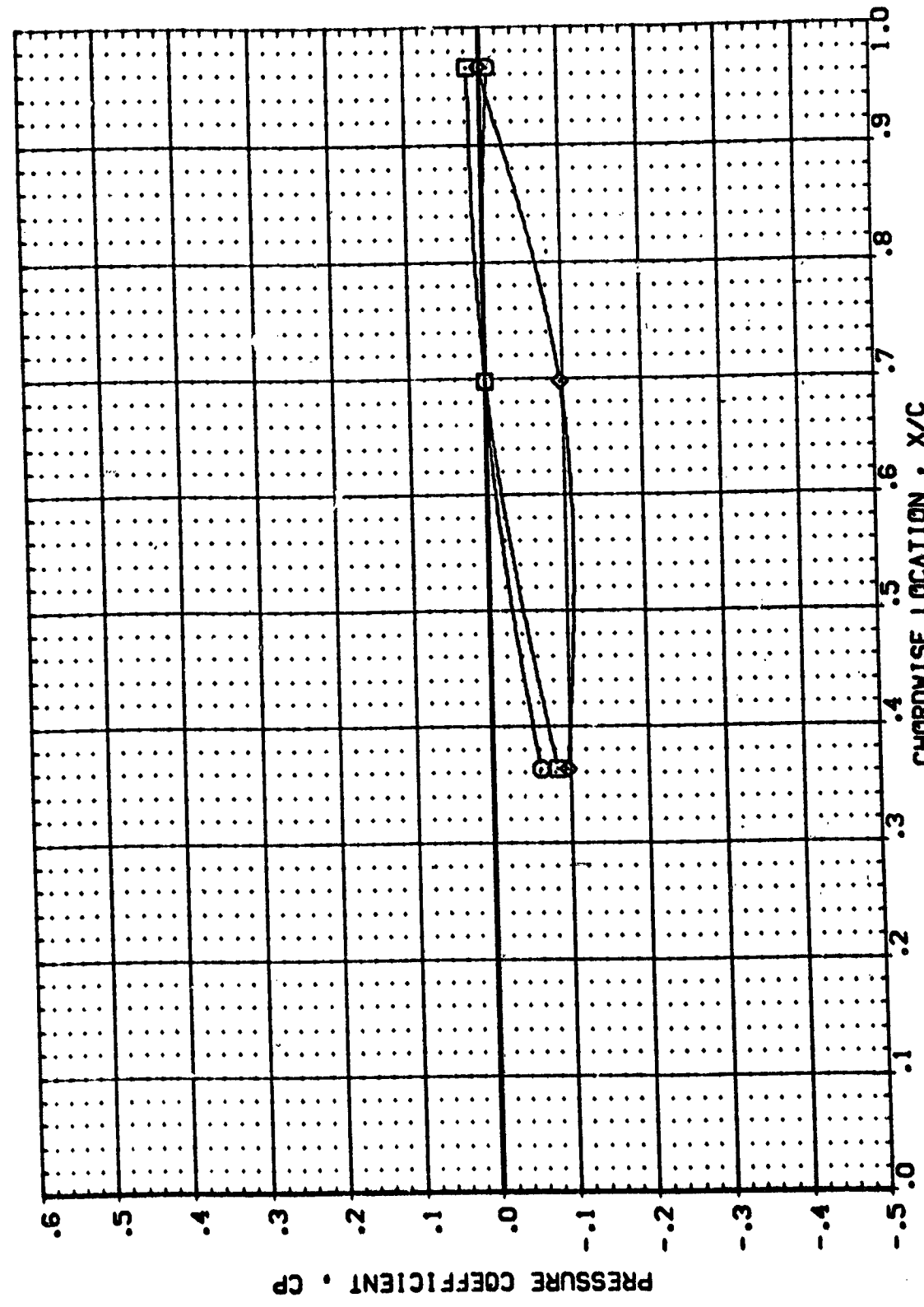


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER DFR SWPR GIMBAL

(RBT21) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBT31) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11
 (RBT49) ARC 97-710 1A128 01 T1 S1 (TOP WING) 11



CHORDWISE LOCATION - X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .299

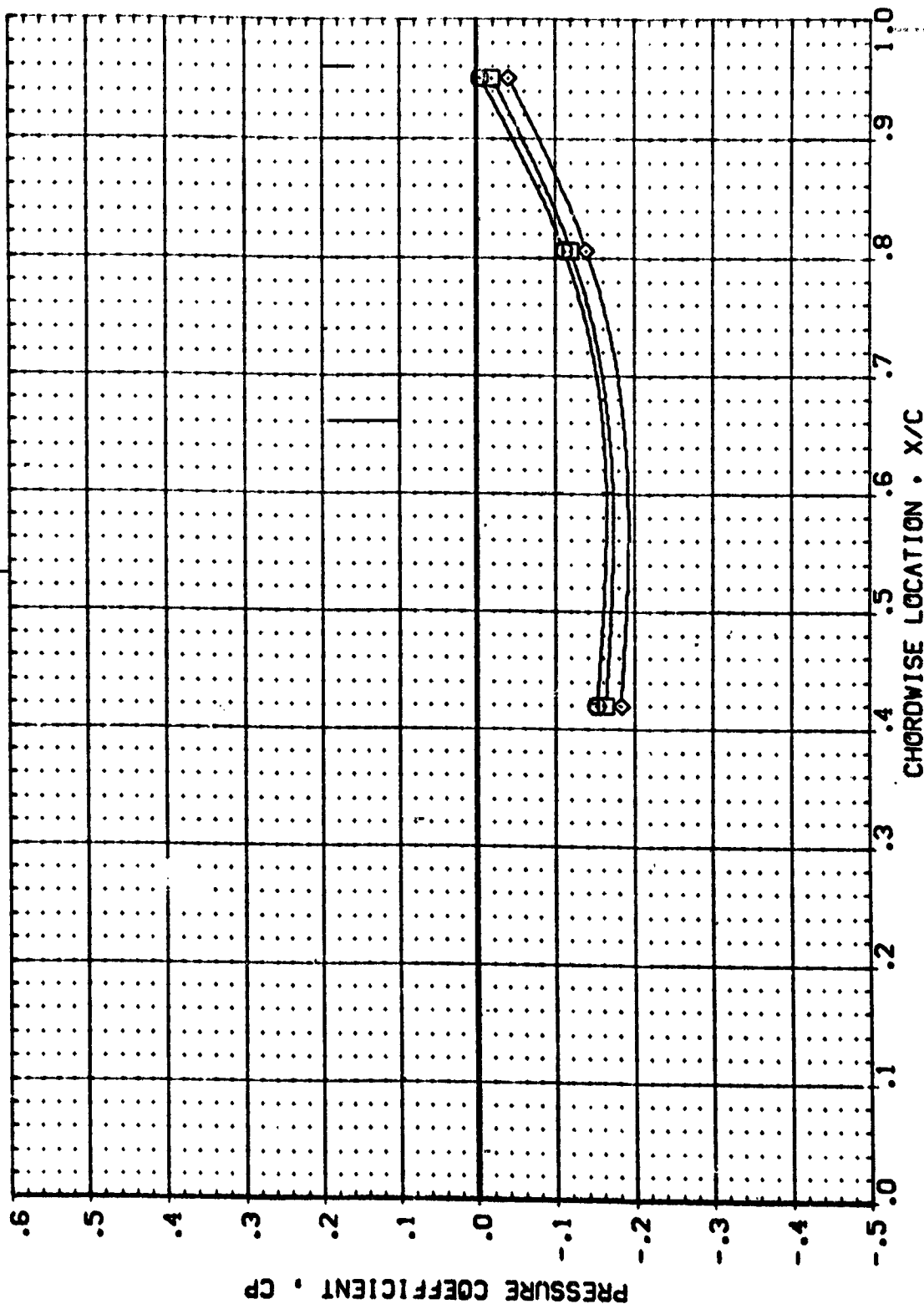
PAGE 133

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT21)
(RBVT31)
(RBVT49)

ARC 97-710 1A12B 01 T1 S1 (TOP VING)
ARC 97-710 1A12B 01 T1 S1 (TOP VING)
ARC 97-710 1A12B 01 T1 S1 (TOP VING)

POWER C/P S/M/R GIMBAL
.000 .409 1.245 1.000
1.000 .409 1.245 2.000



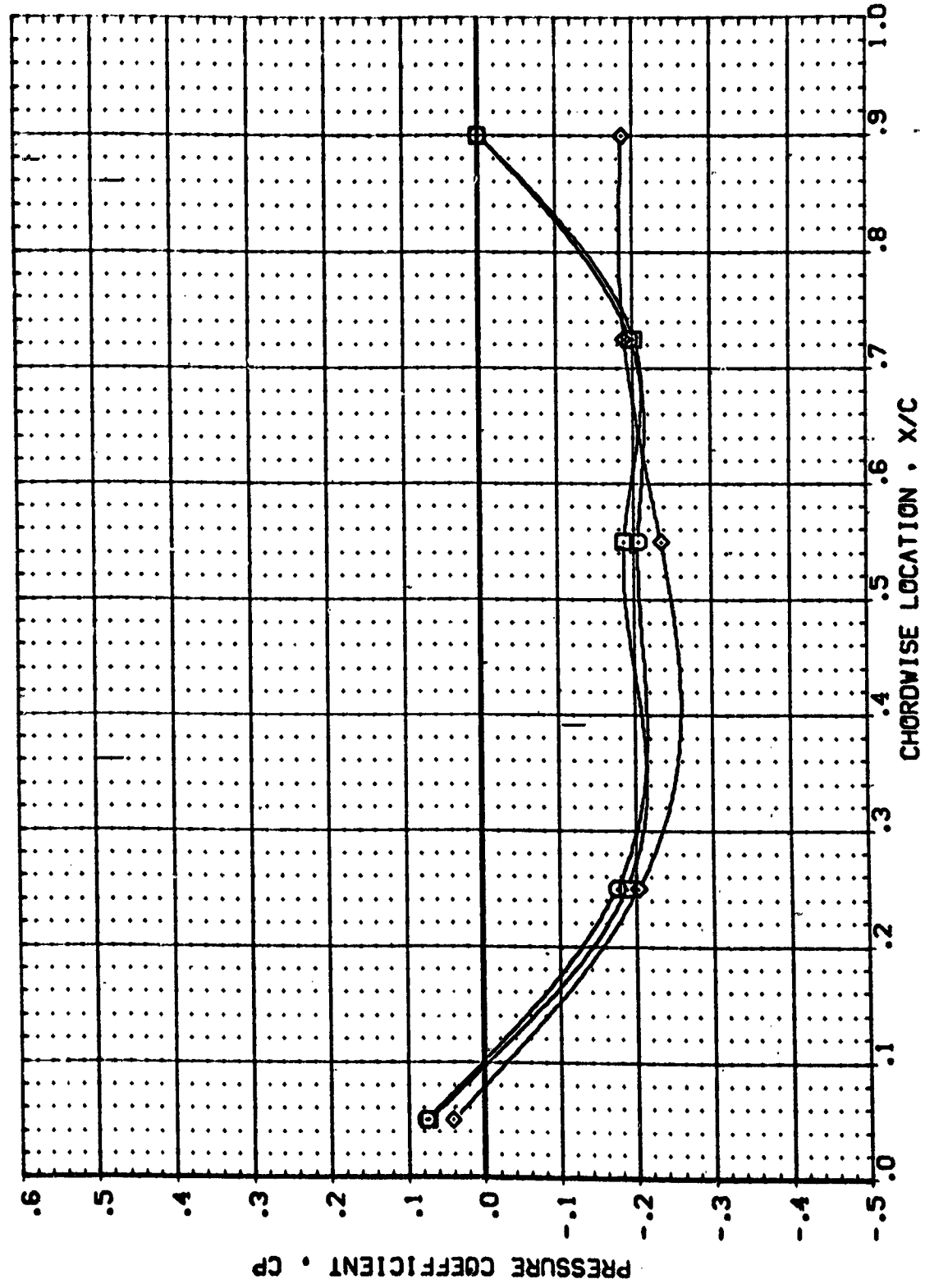
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

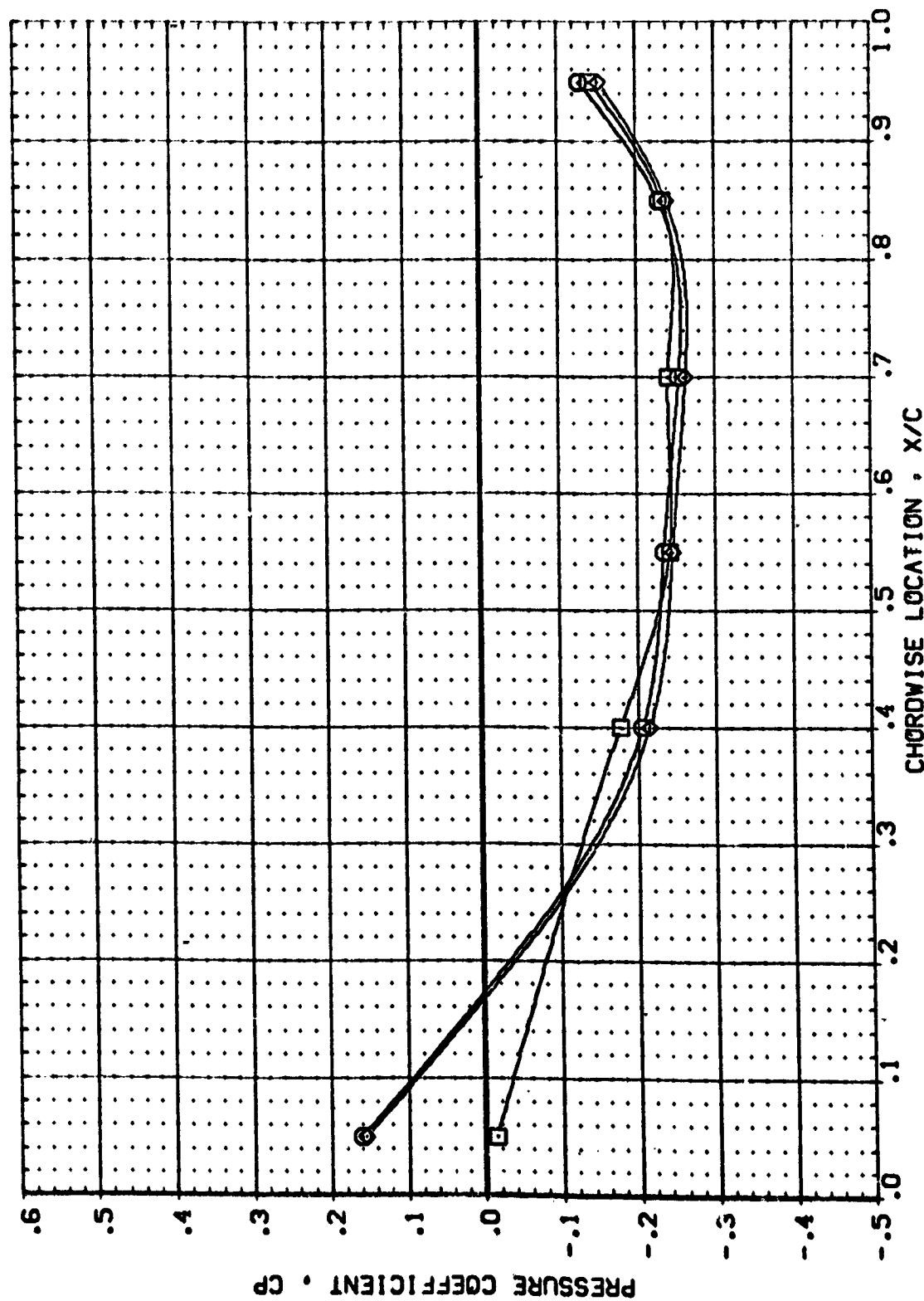
(RBV121) ARC 57-710 IAI28 OI TI SI (TOP WING) II
 (RBV131) ARC 57-710 IAI28 OI TI SI (TOP WING) II
 (RBV149) ARC 57-710 IAI28 OI TI SI (TOP WING) II

POWER OPR SRPR GIMBAL
 .000
 1.000 .409 1.245 1.000
 1.000 .409 1.245 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

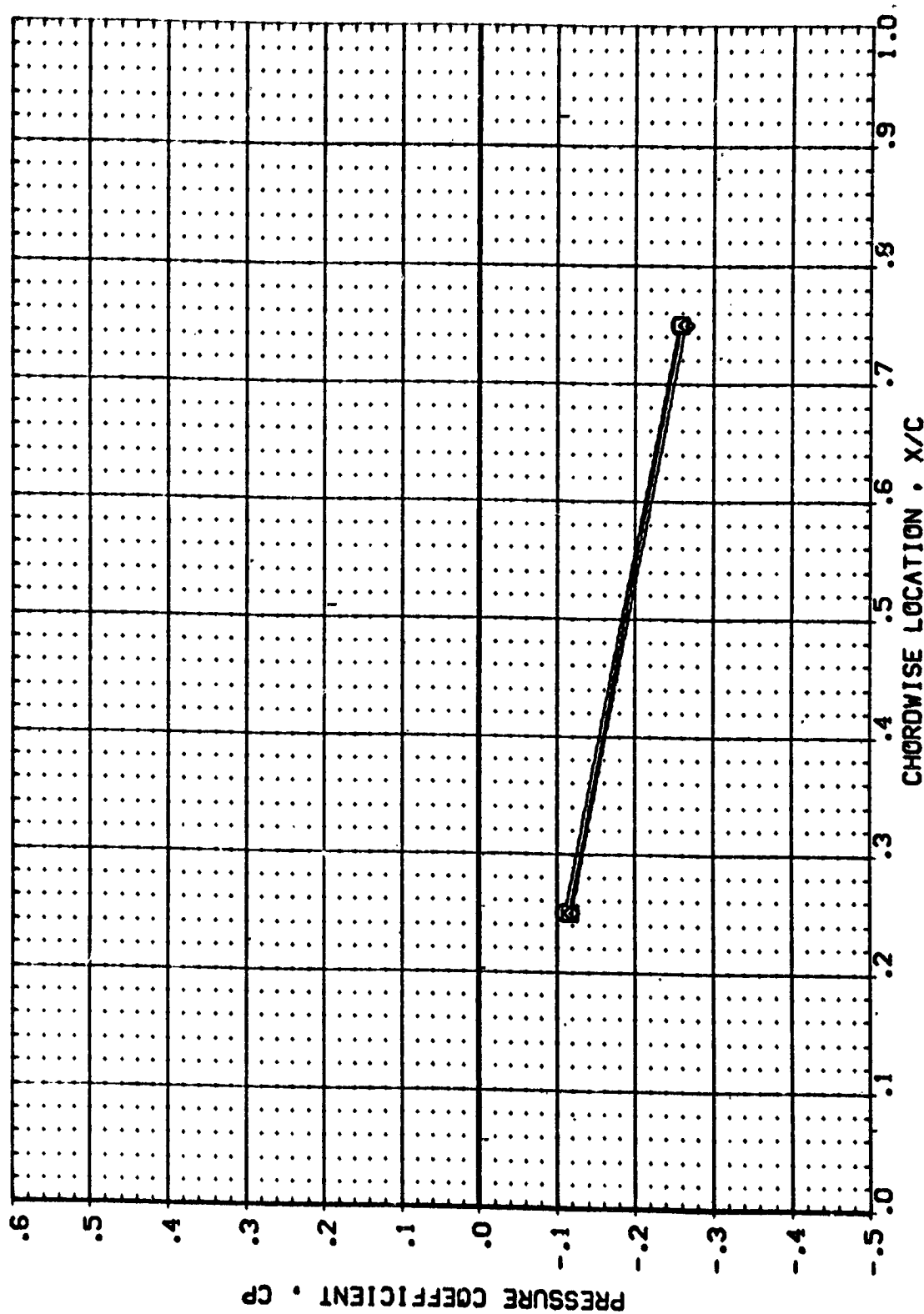
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(RBV721)	○	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	.000	.409	1.245	1.000
(RBV731)	□	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	1.000	.409	1.245	1.000
(RBV749)	◇	ARC 97-710 IAI28 01 T1 S1 (TOP VING)	1.000	.409	1.245	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .673 PAGE 136

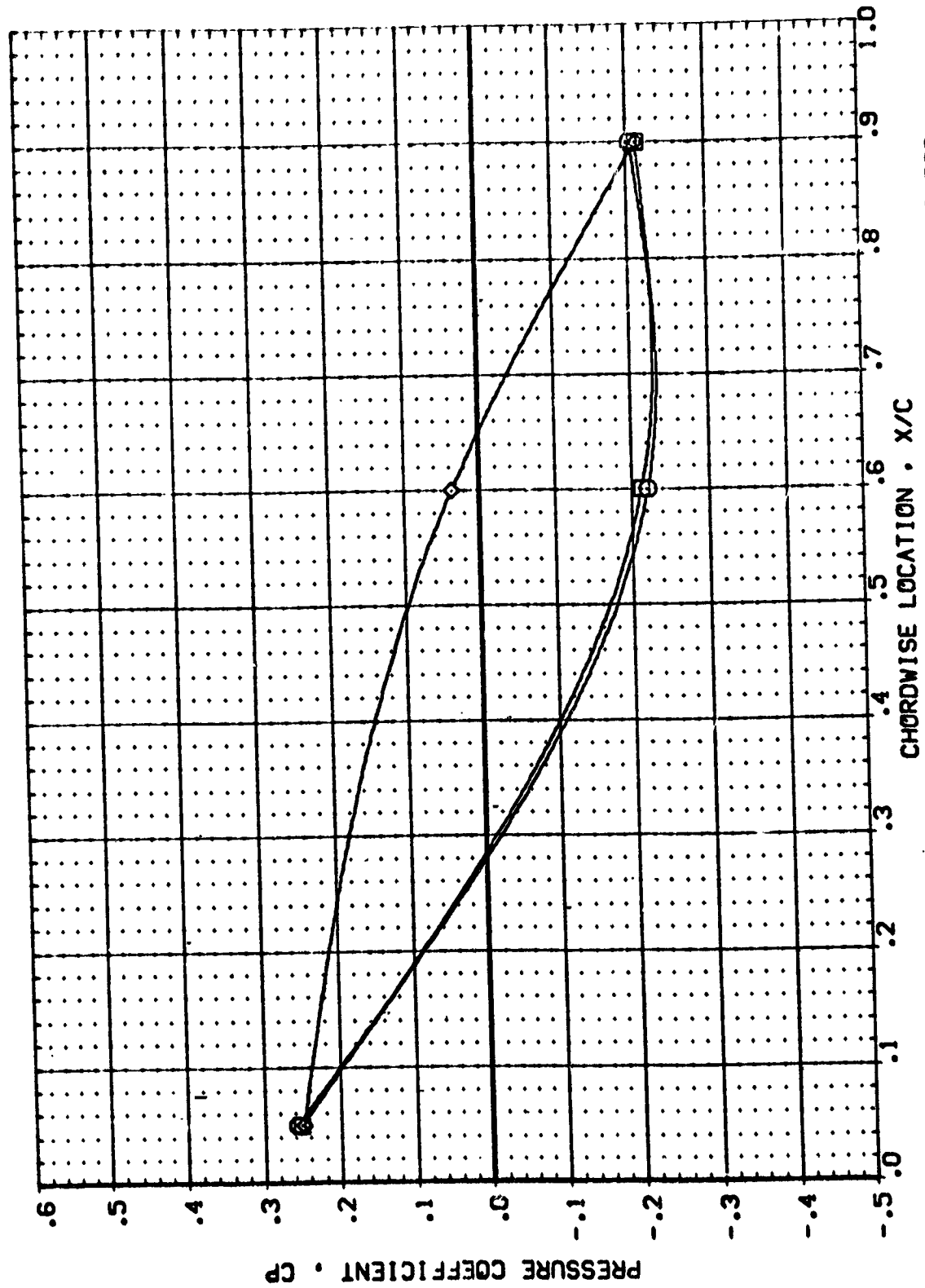
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GIMBAL
(RBT21)	ARC 97-710 IAI28 OI TI SI (TOP WING)	.000			1.000
(RBT31)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	1.245	1.000
(RBT49)	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.409	1.245	2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

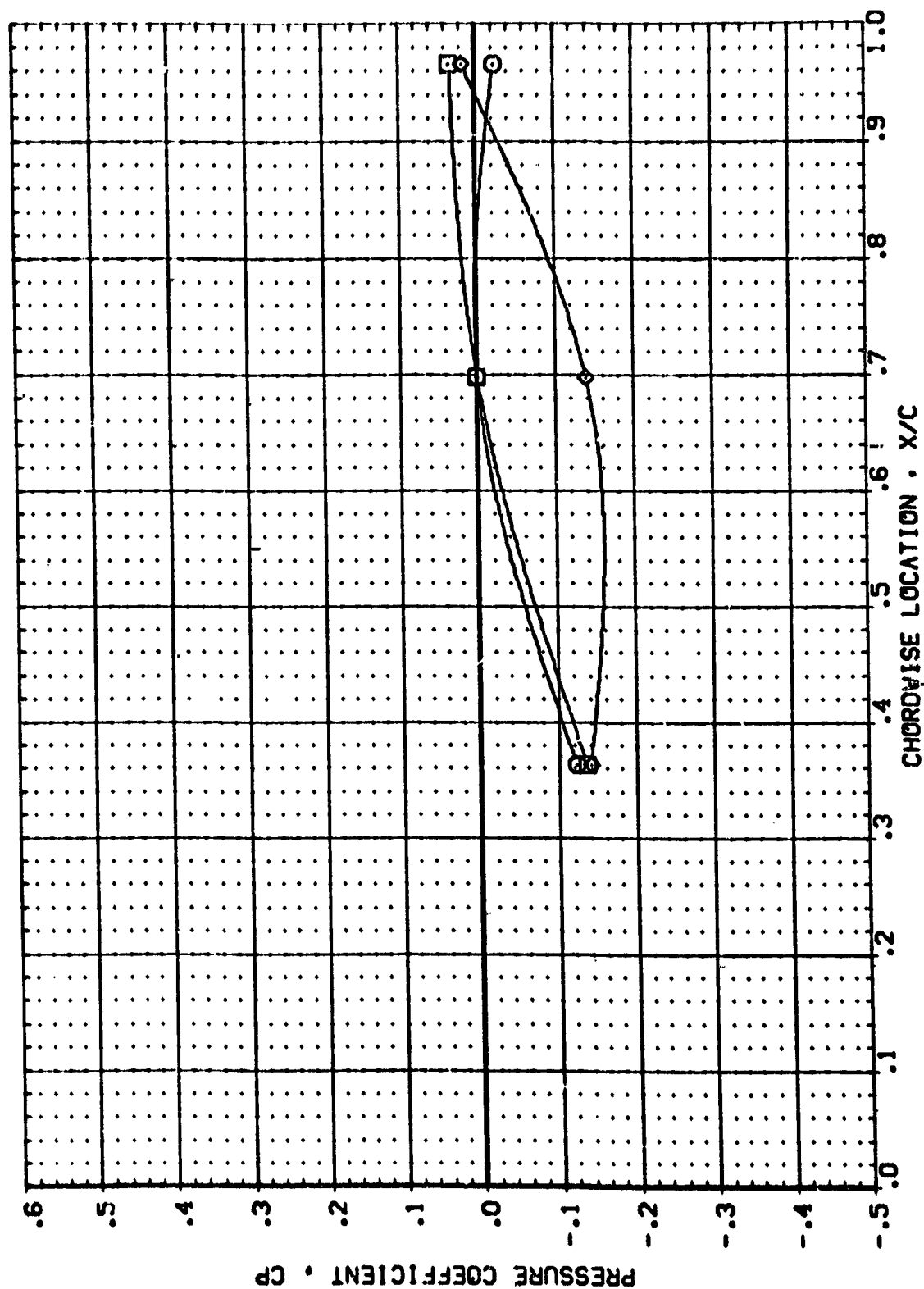
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV121) ARC 97-710 1A128 01 11 S1 (TOP WING)
 (REV131) ARC 97-710 1A128 01 11 S1 (TOP WING)
 (REV149) ARC 97-710 1A128 01 11 S1 (TOP WING)

POWER OFF SRMPR GIMBAL
 .000 .409 1.000
 1.000 1.245 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP
 MACH = 2.000 ALPHA = .440 ETA = .887
 PAGE 138

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	GIMBAL
(RBT21)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000			1.000
(RBT31)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.245	1.000
(RBT49)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.406	1.245	2.000

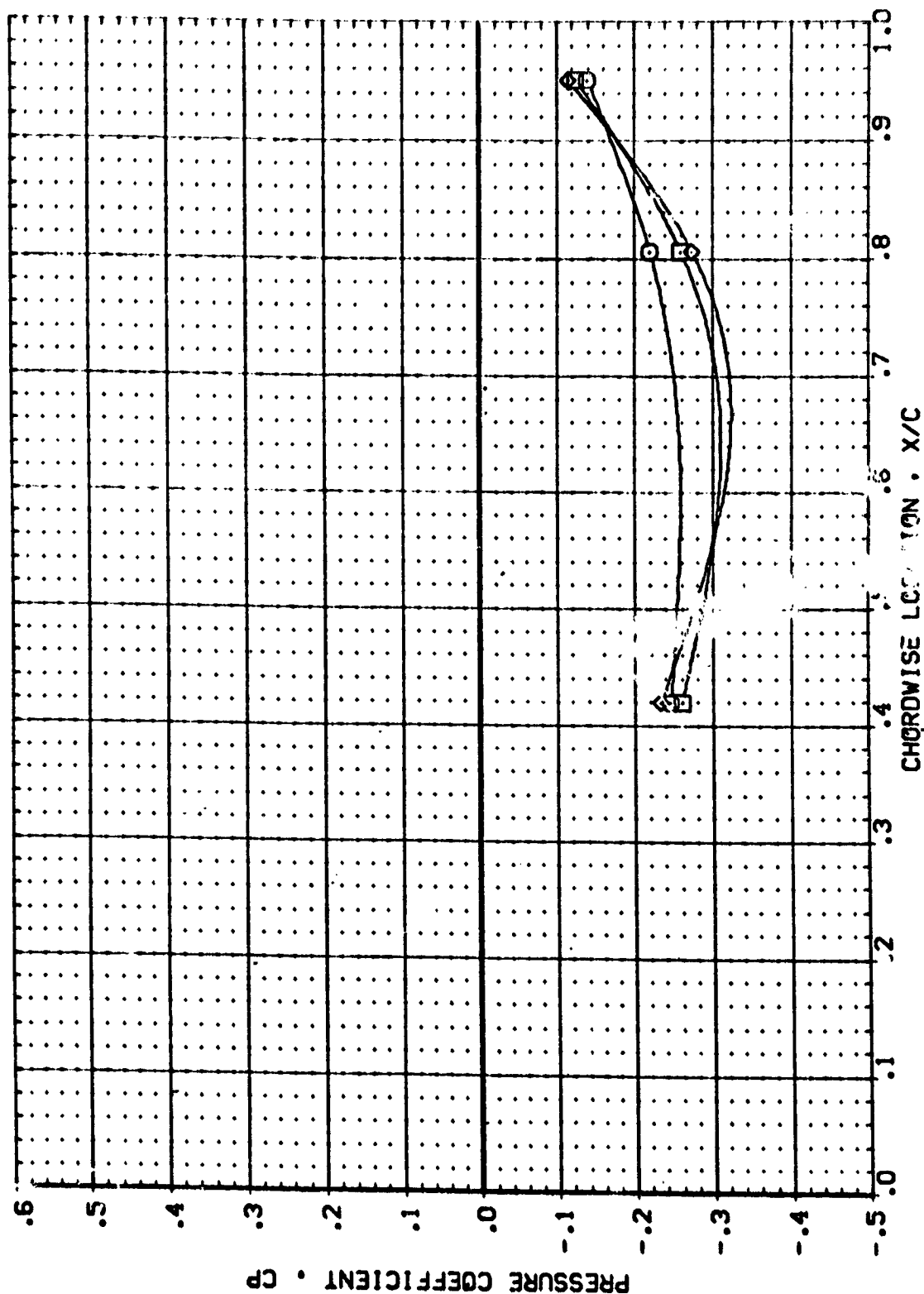


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBT21) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBT31) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBT4S) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

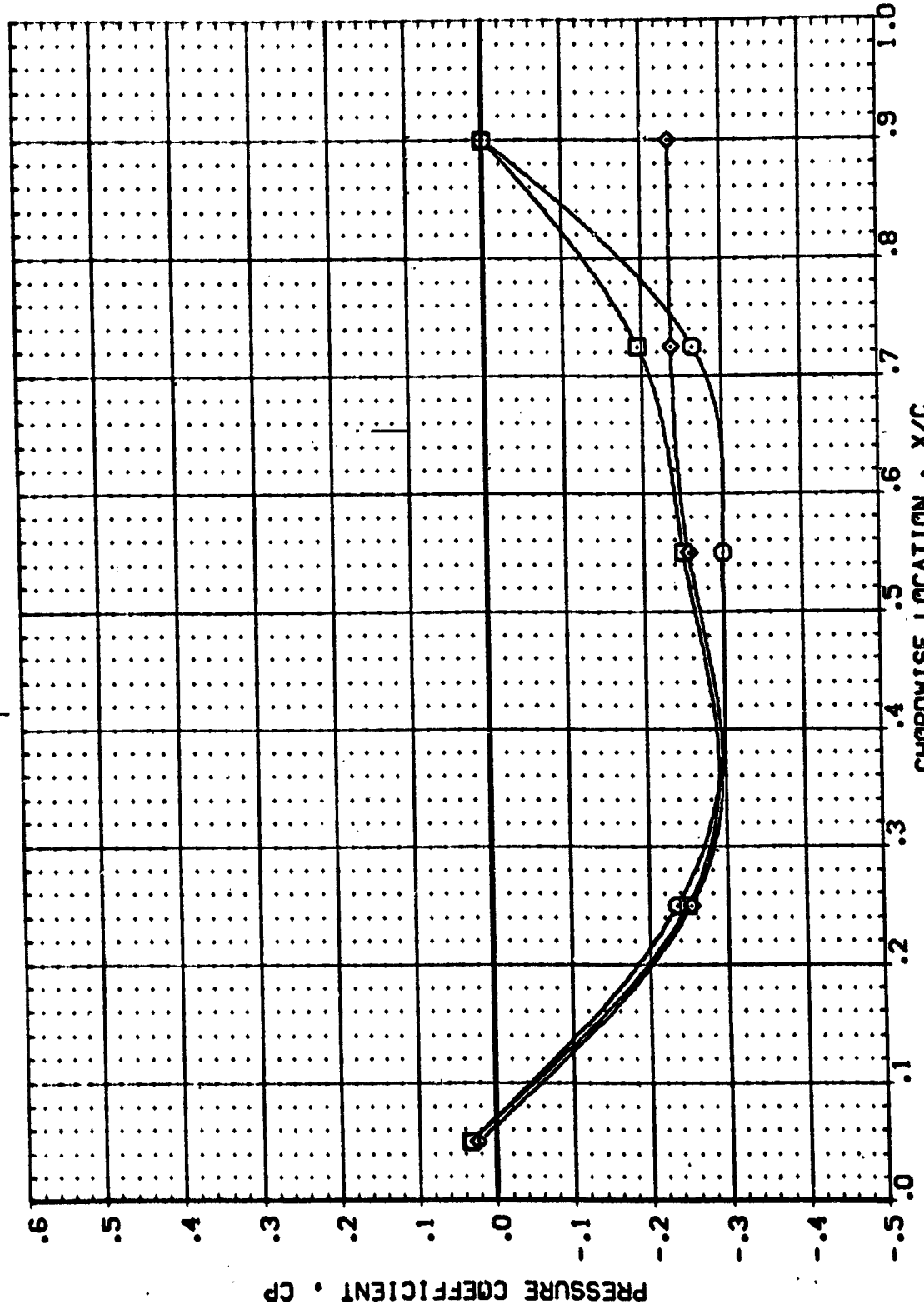
POWER DPR SRPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .427

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GIMBAL
(RBVT21)	○	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.409	1.145	1.000
(RBVT31)	◇	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.215	1.000
(RBVT49)	◇	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.215	2.000

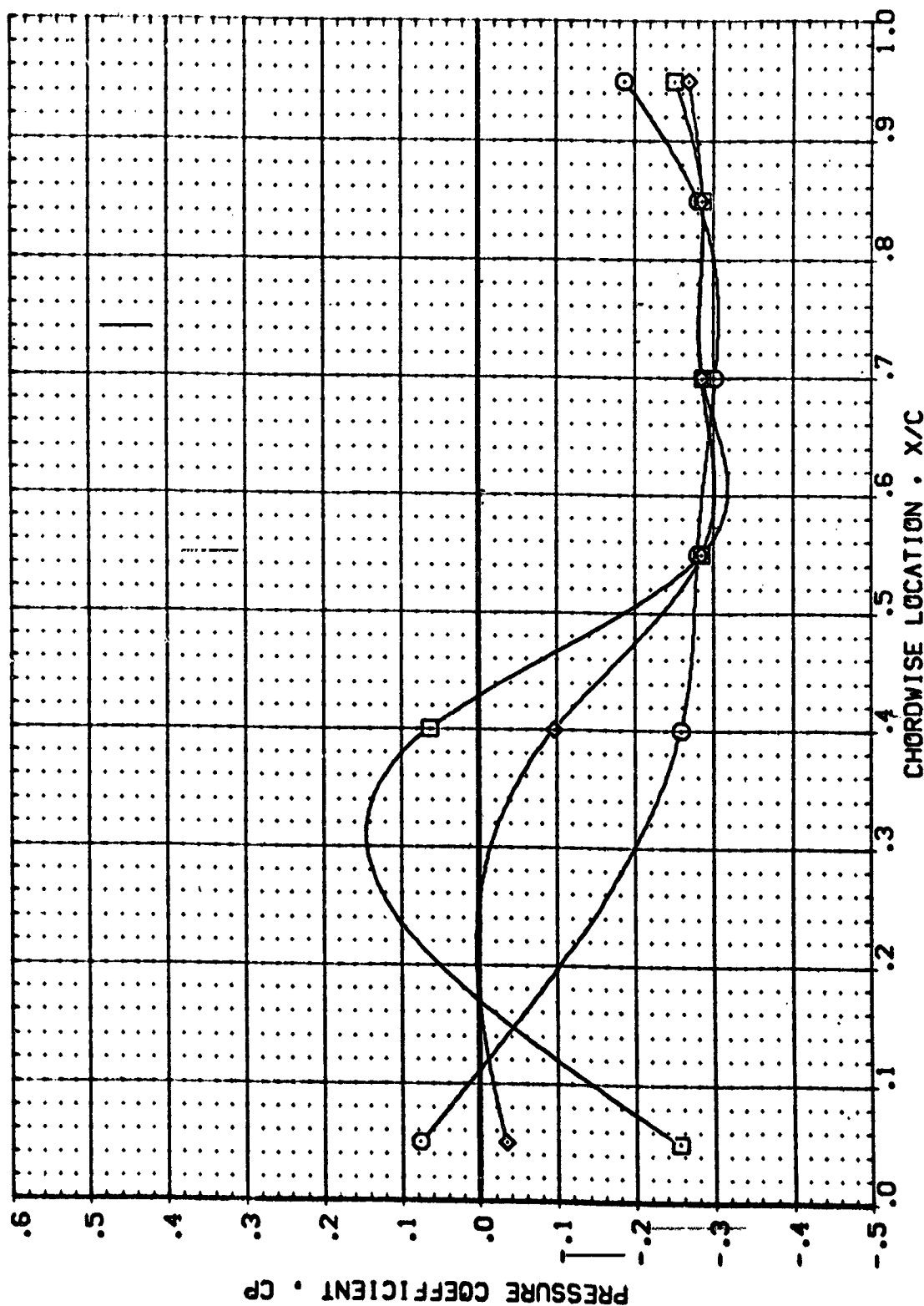


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV121) ARC 97-710 1A128 O1 T1 S1 (TOP WING) ||
 (RBV131) ARC 97-710 1A128 O1 T1 S1 (TOP WING) ||
 (RBV149) ARC 97-710 1A128 O1 T1 S1 (TOP WING) ||

POWER QPR SPMR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000

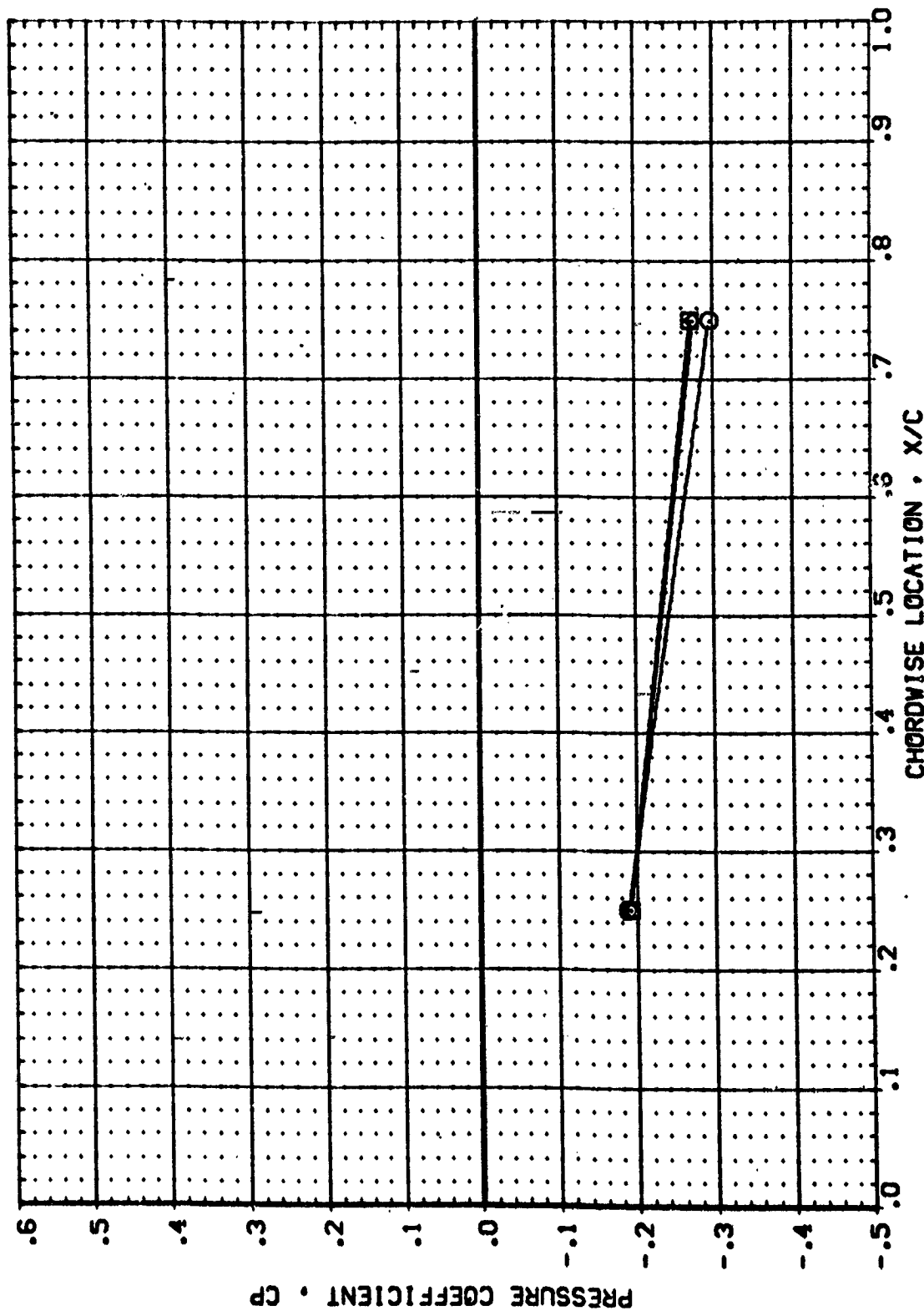


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .673

DATA SET SYMBOL: CONFIGURATION DESCRIPTION
 (RVT21) ARC 97-710 1A128 01 T1 S1 (TOP WING) II
 (RVT31) ARC 97-710 1A128 01 T1 S1 (TOP WING) II
 (RVT49) ARC 97-710 1A128 01 T1 S1 (TOP WING) II

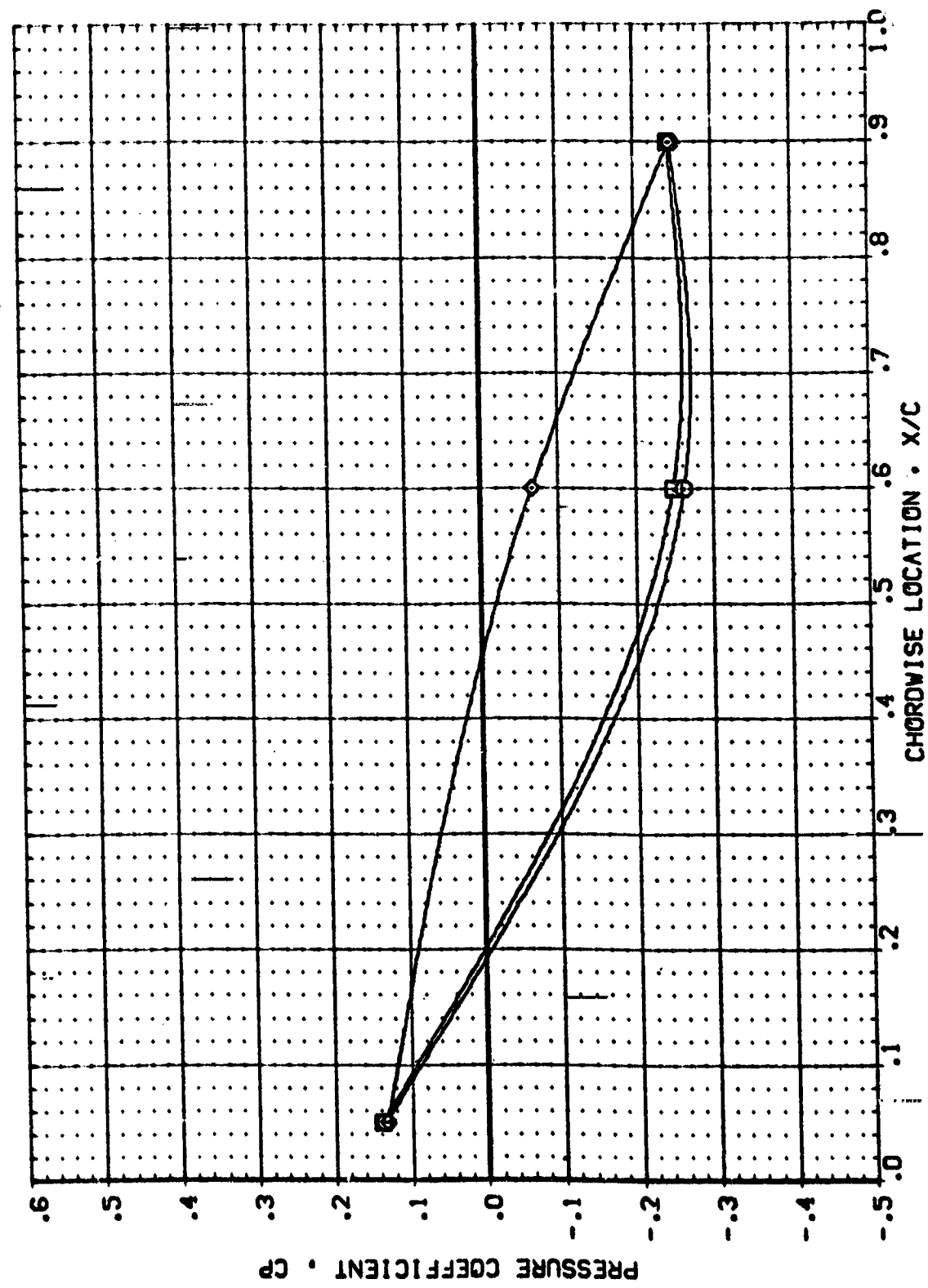
POWER GPR SRRR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	QPR	SRPR	GIMBAL
(RBT21)	ARC 97-710 1A128 01 11 SI (TOP WING)	.000			1.000
(RBT31)	ARC 97-710 1A128 01 11 SI (TOP WING)	1.000	.409	1.245	1.000
(RBT49)	ARC 97-710 1A128 01 11 SI (TOP WING)	1.000	.409	1.245	2.000

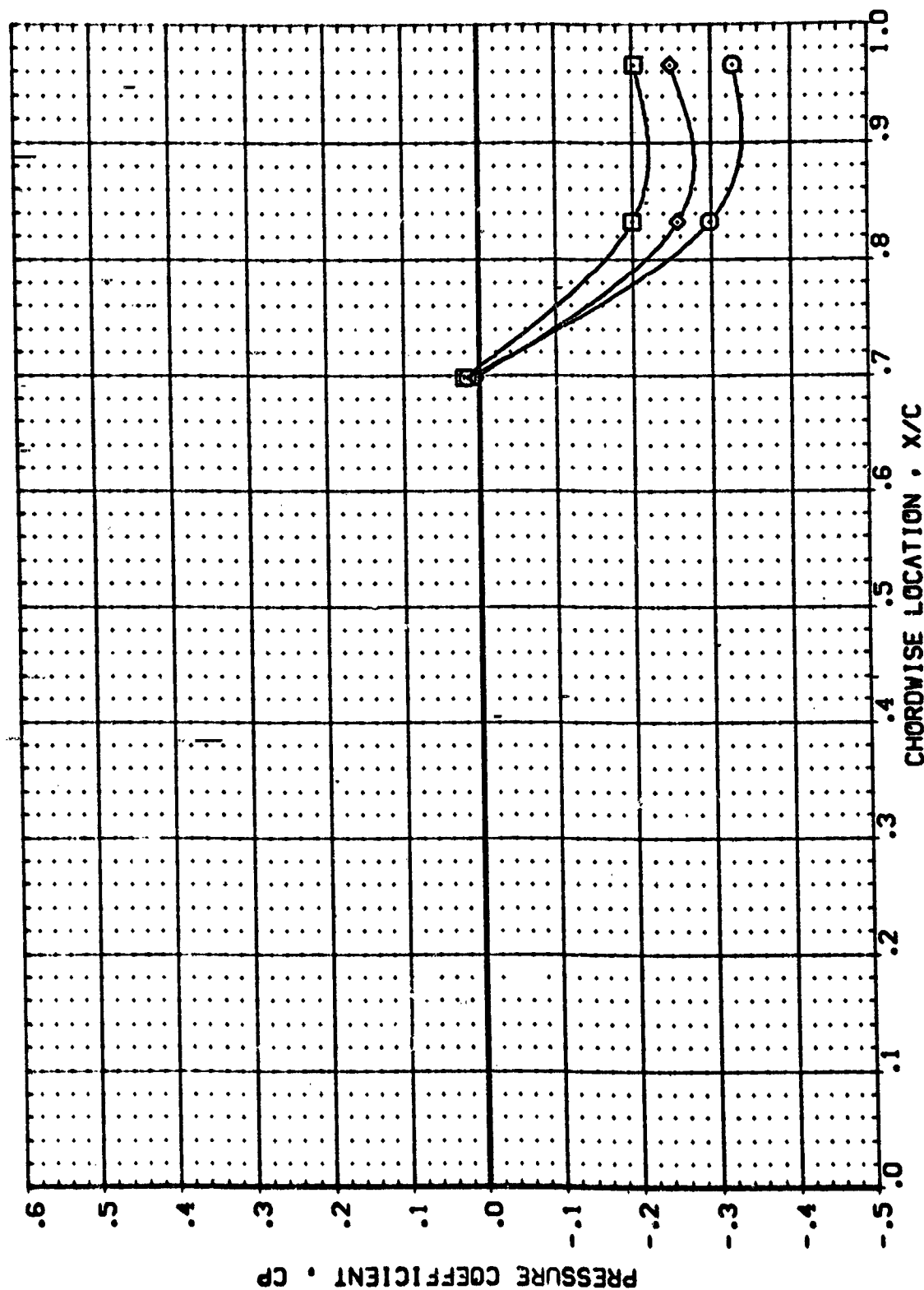


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R5B22) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)I
 (R5B28) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)I
 (R5B44) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)I

POWER DPR SNER GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000

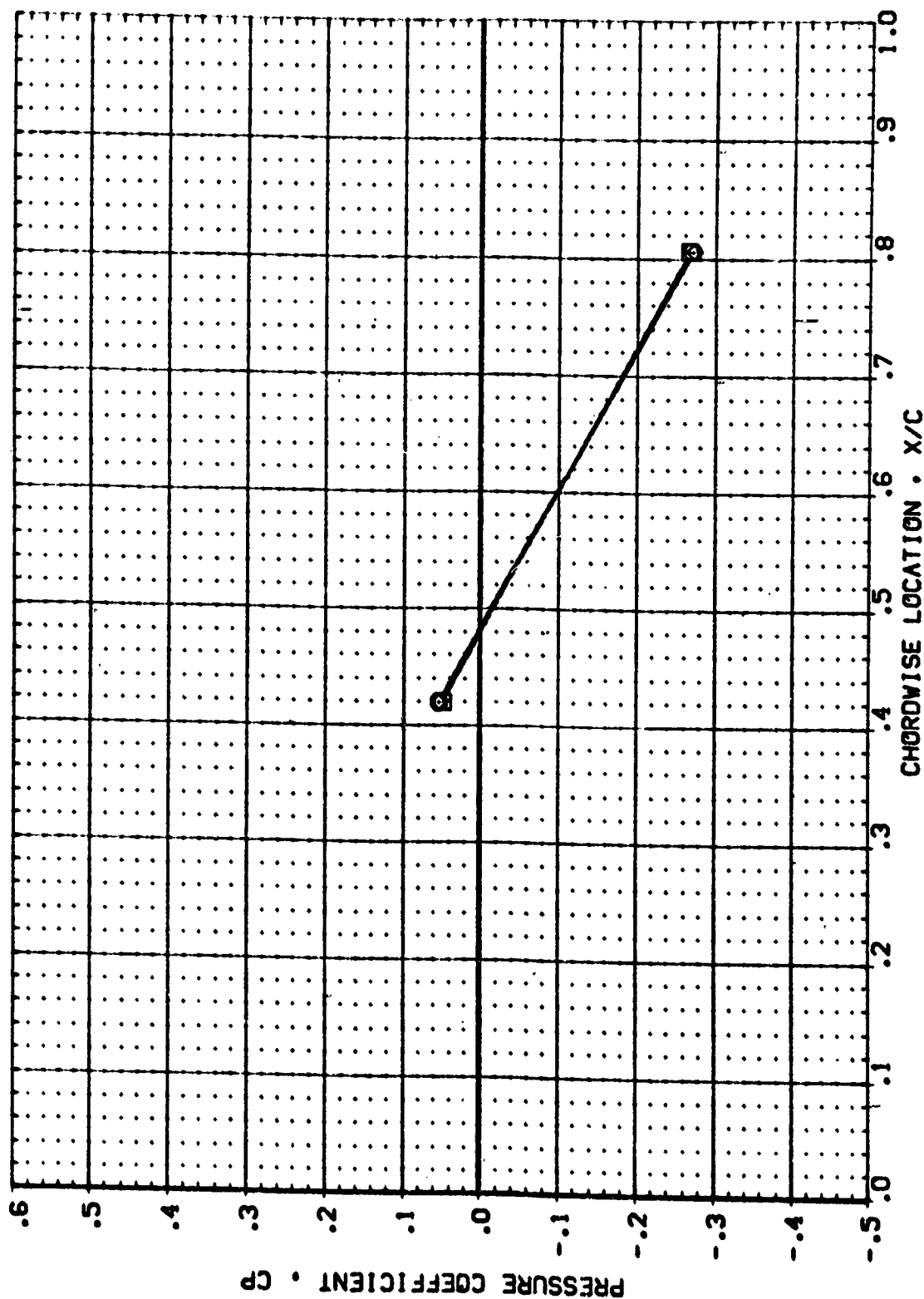


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V822) ARC 97-710 IAI28 01 T1 SI(BOTTOM VING)11
 (R8V828) ARC 97-710 IAI28 01 T1 SI(BOTTOM VING)11
 (R8V844) ARC 97-710 IAI28 01 T1 SI(BOTTOM VING)11

POWER 0.000 1.000 1.000
 GPR .433 .433 1.050
 GIMBAL 1.000 1.000 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822) ARC 97-710 1A128 01 11 S1(BOTTOM VING)11

(RBV828) ARC 97-710 1A128 01 11 S1(BOTTOM VING)11

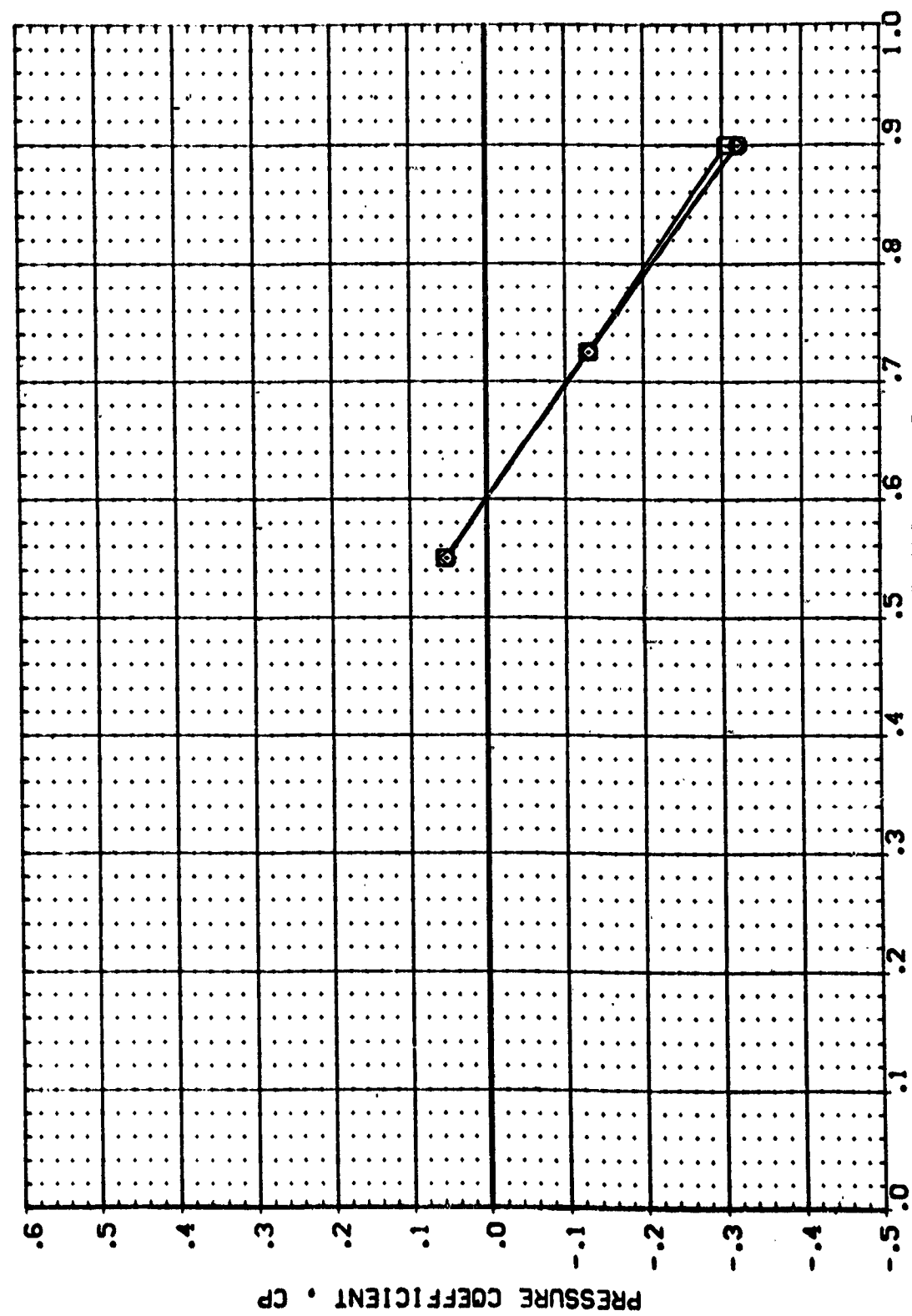
(RBV844) ARC 97-710 1A128 01 11 S1(BOTTOM VING)11

POWER DFR SDFR GIMBAL

0.000 433 1.050 1.000

1.000 1433 1.050 1.000

1.000 1.050 2.000



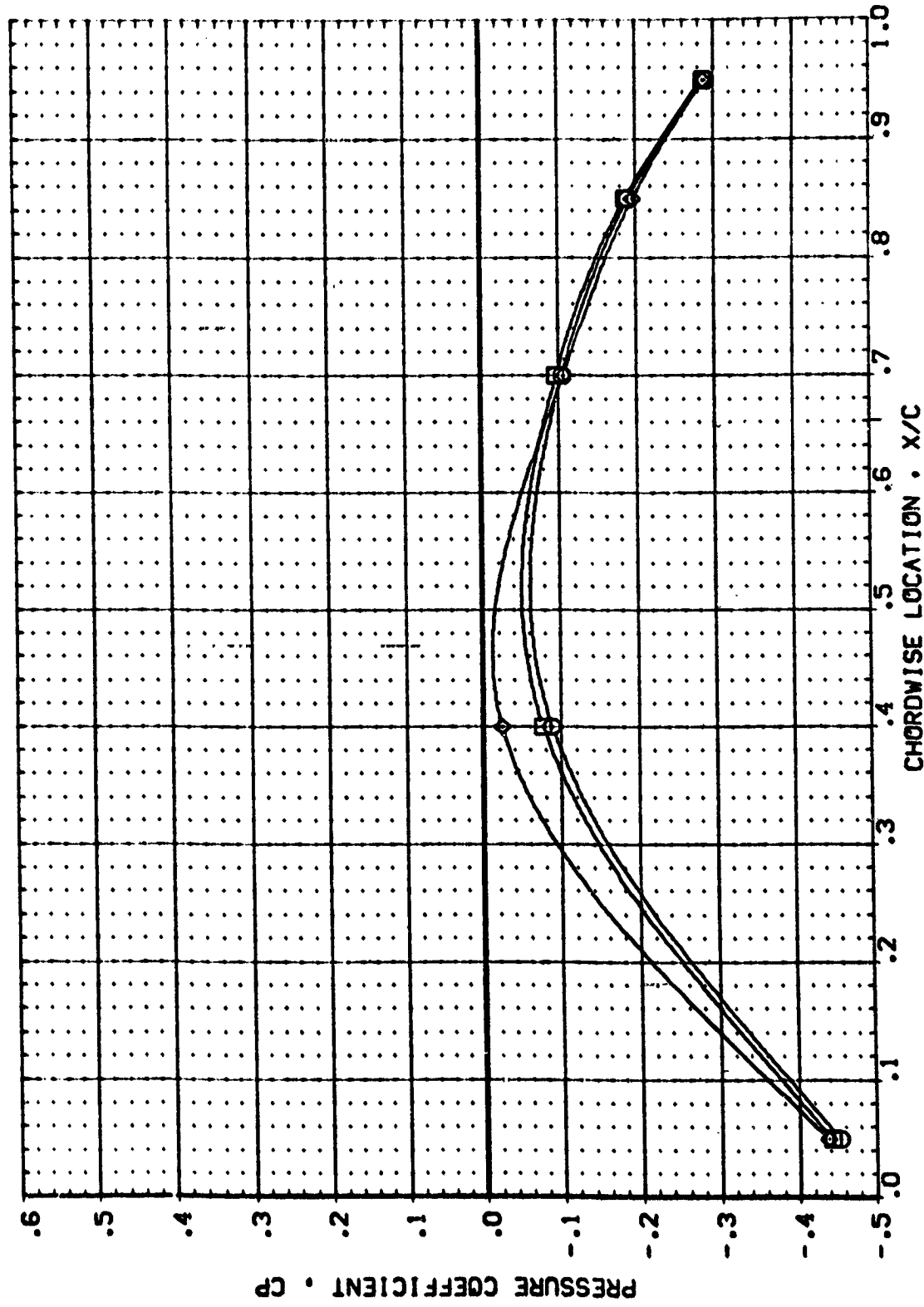
CHORDWISE LOCATION • X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (RBV828) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (RBV844) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER C/PR S/PWR GIMBAL
 .000 .433 1.000
 1.000 1.050 2.000

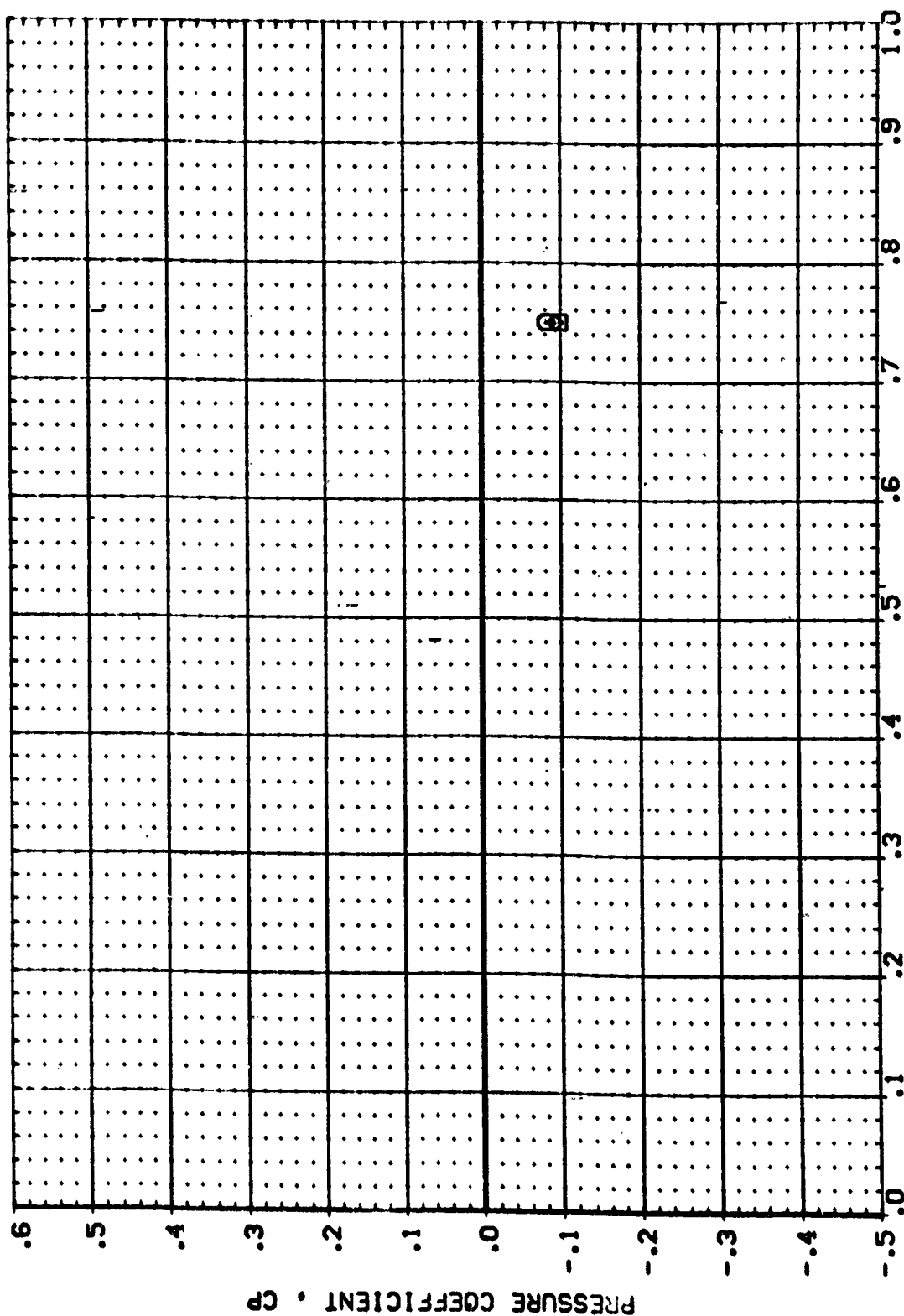


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V822) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING)11
 (R8V828) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING)11
 (R8V844) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING)11

POWER OPR SRMPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



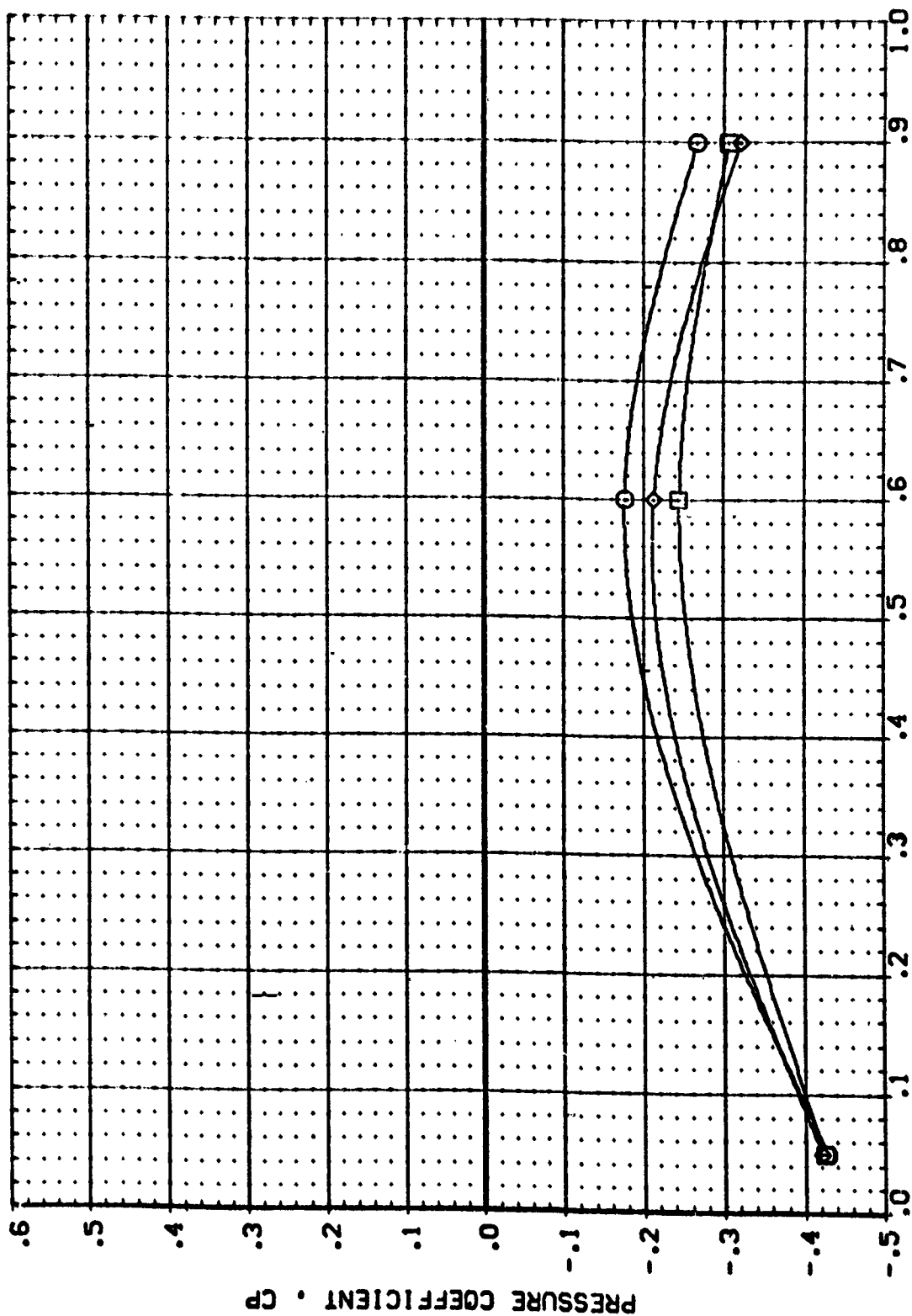
CHORDWISE LOCATION • X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBV826) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBV844) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER DFR SRMR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 1.000
 1.000 .433 1.050 2.000



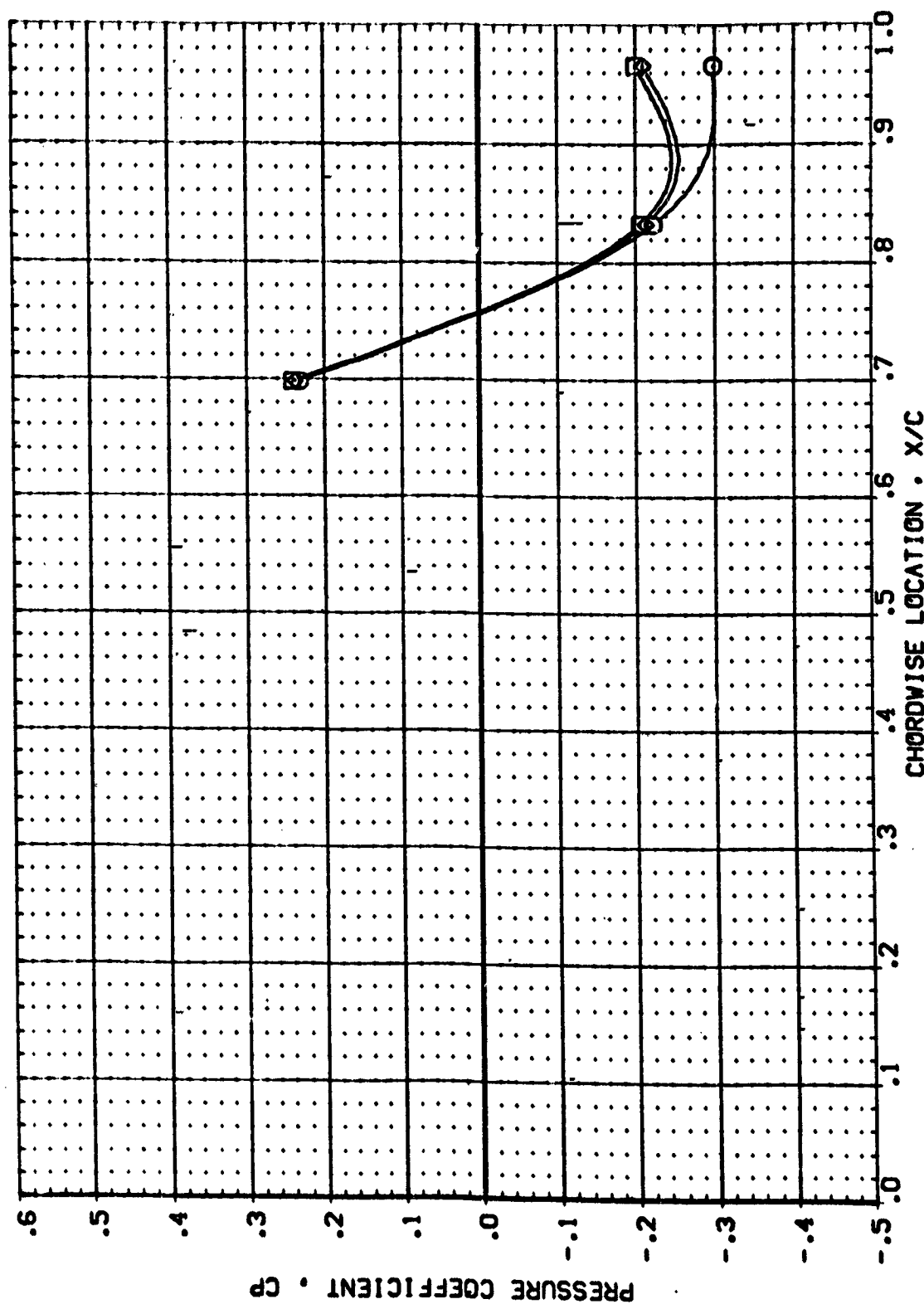
CHORDWISE LOCATION · X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV822) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (REV828) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (REV844) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER DFR SRMPR GIMBAL
 .000
 1.000 .433 1.050 1.000
 1.000 .433 1.050 2.000

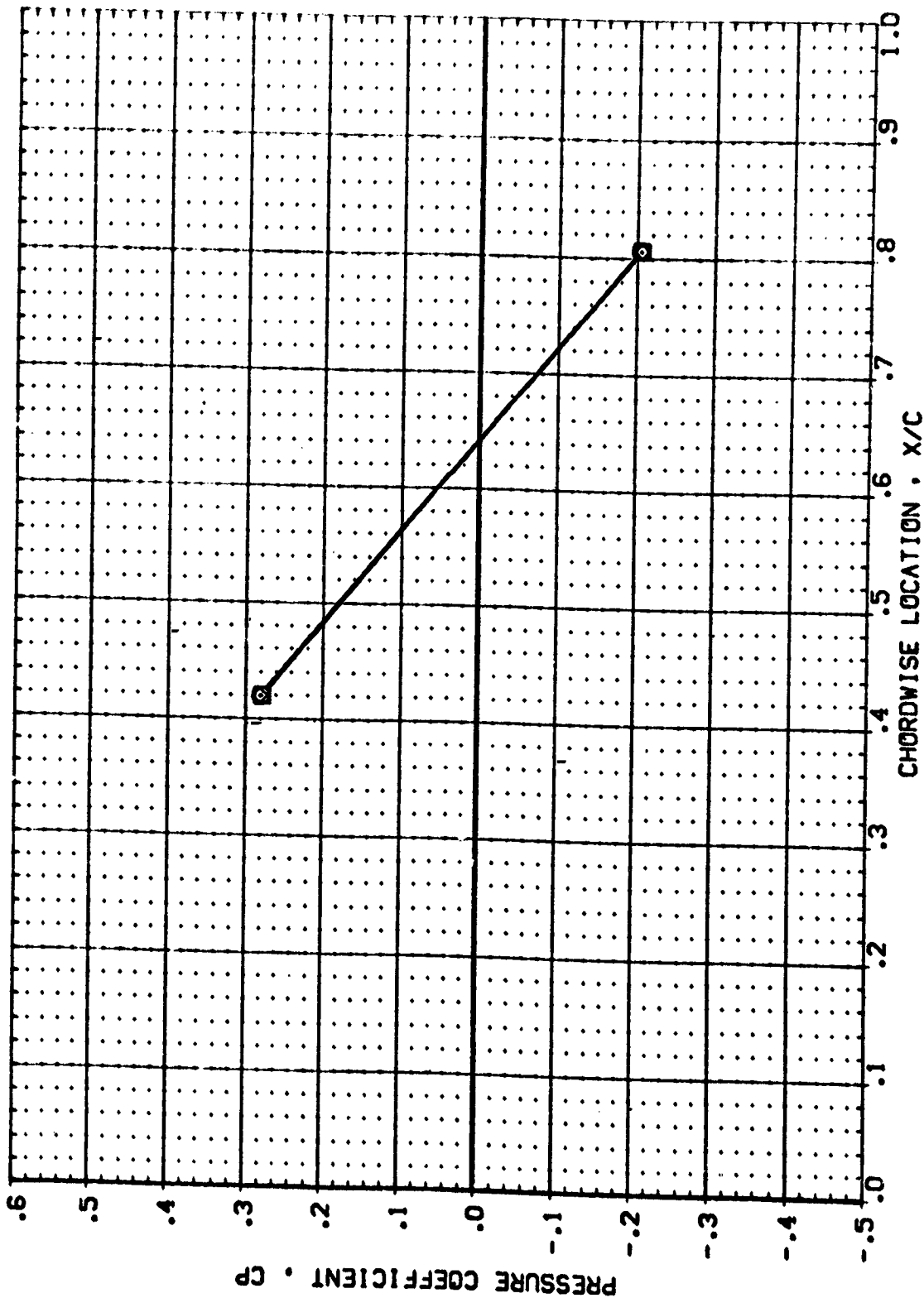


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RBV828) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RBV844) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II

POWER OPR SWPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000

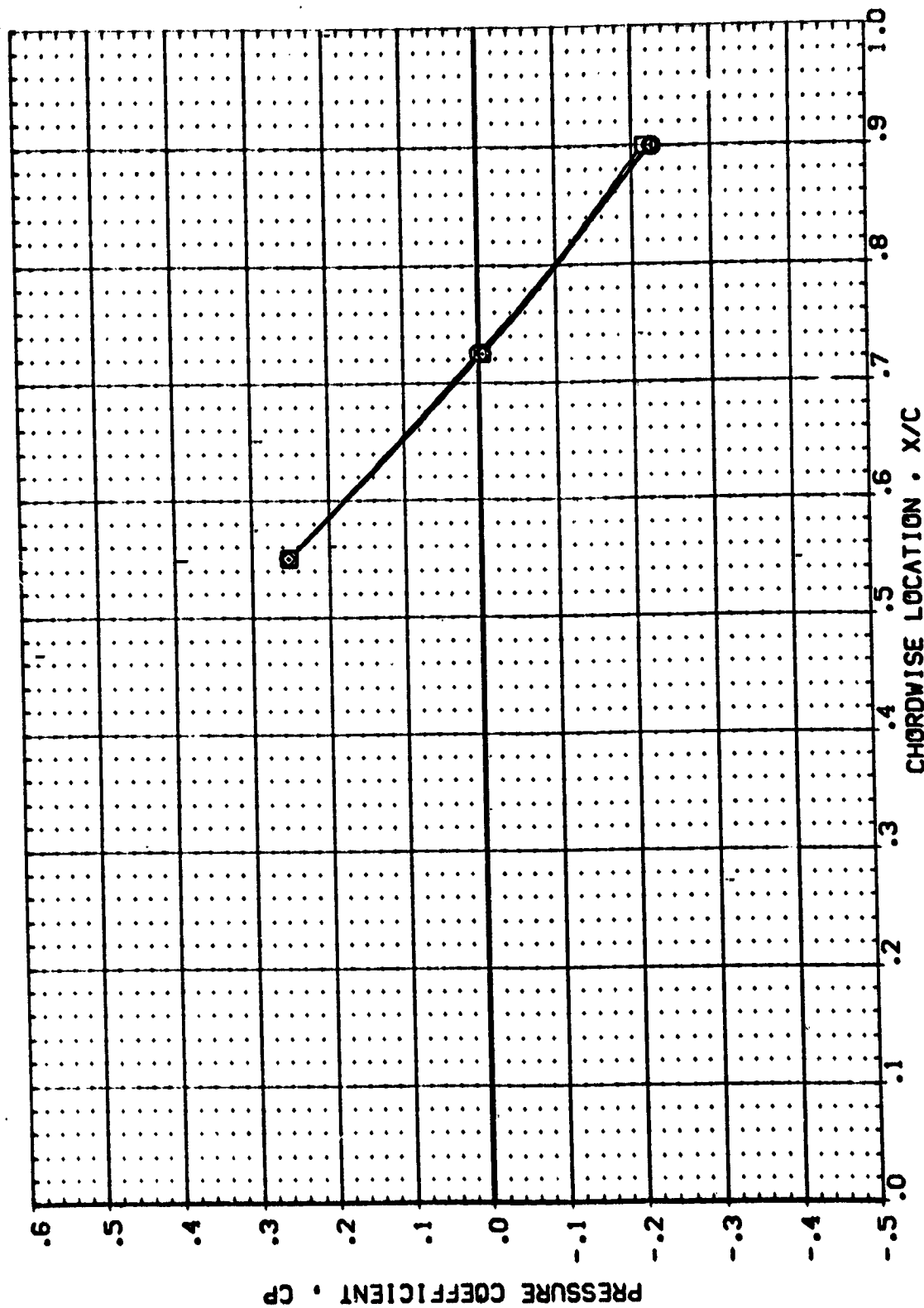


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V822) ARC 97-710 (A128 O1 T1 S1(BOTTOM VING))
 (R8V828) ARC 97-710 (A128 O1 T1 S1(BOTTOM VING))
 (R8V944) ARC 97-710 (A128 O1 T1 S1(BOTTOM VING))

POWER C/P S/W/P GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 1.000
 1.000 .433 1.050 2.000

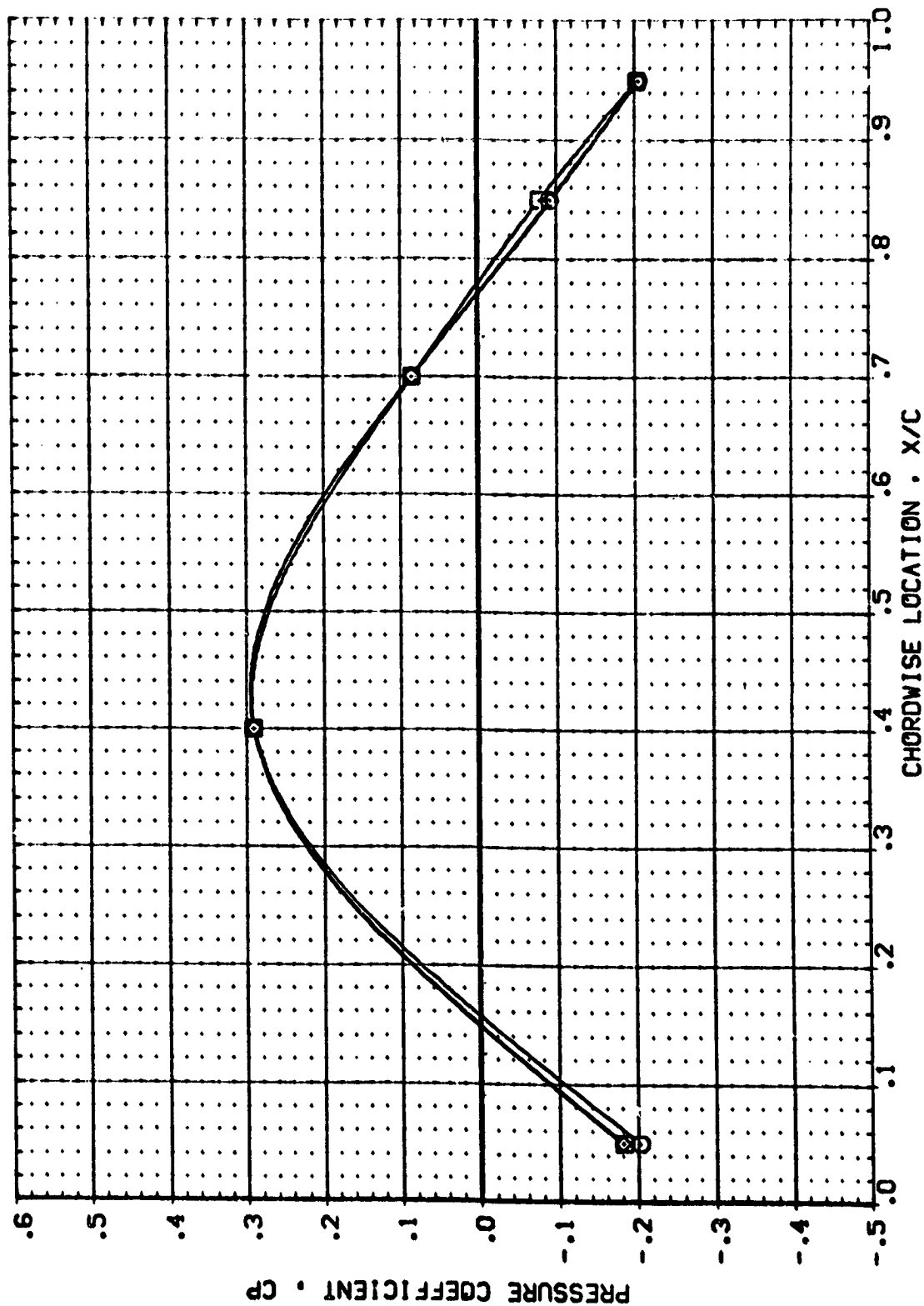


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .534 PAGE 153

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V622) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (R8V628) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (R8V644) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER C/P SRMPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000

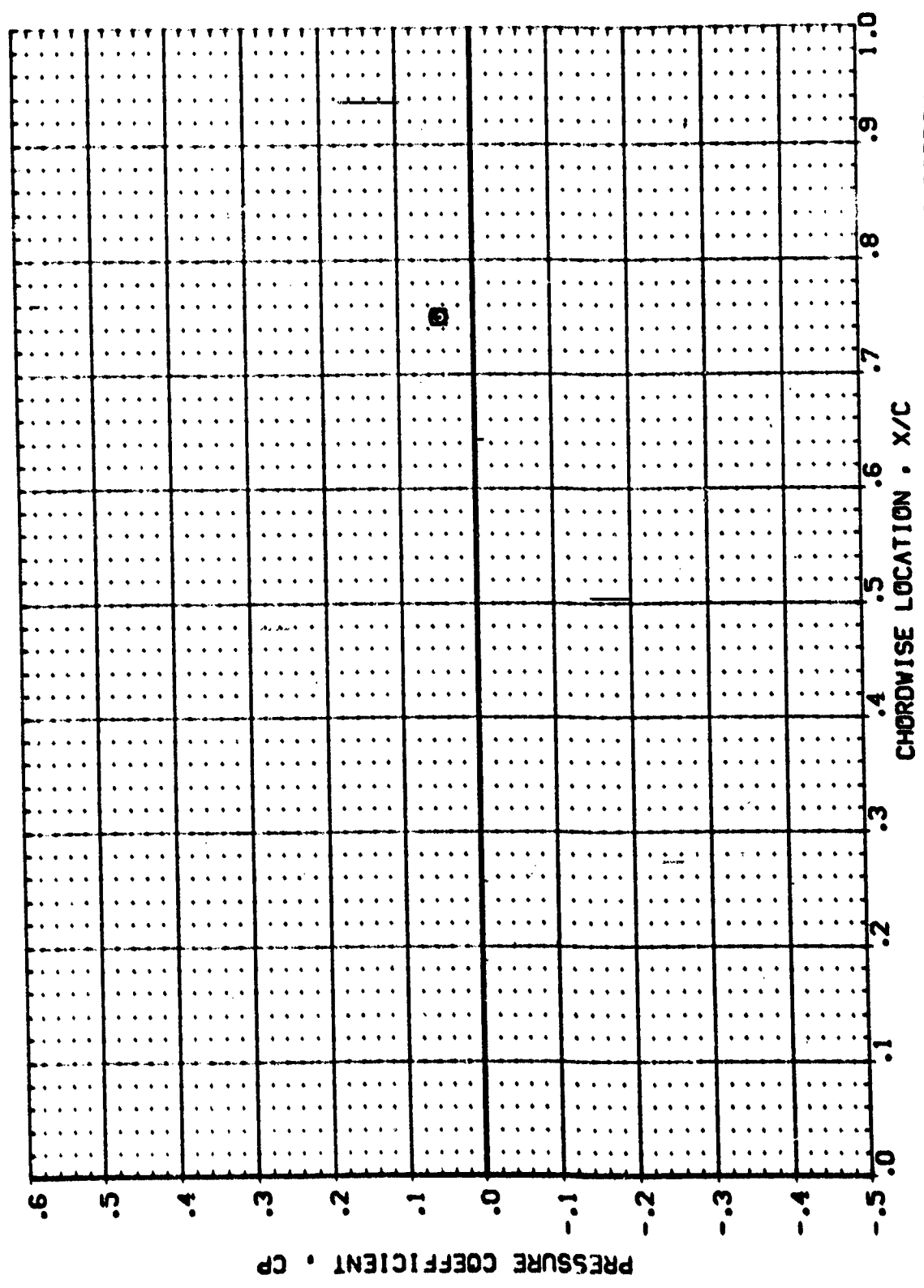


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV872) ARC 97-713 (A128 01 T1 S11 BOTTOM WING)!!
 (REV878) ARC 97-713 (A128 01 T1 S11 BOTTOM WING)!!
 (REV894) ARC 97-713 (A128 01 T1 S11 BOTTOM WING)!!

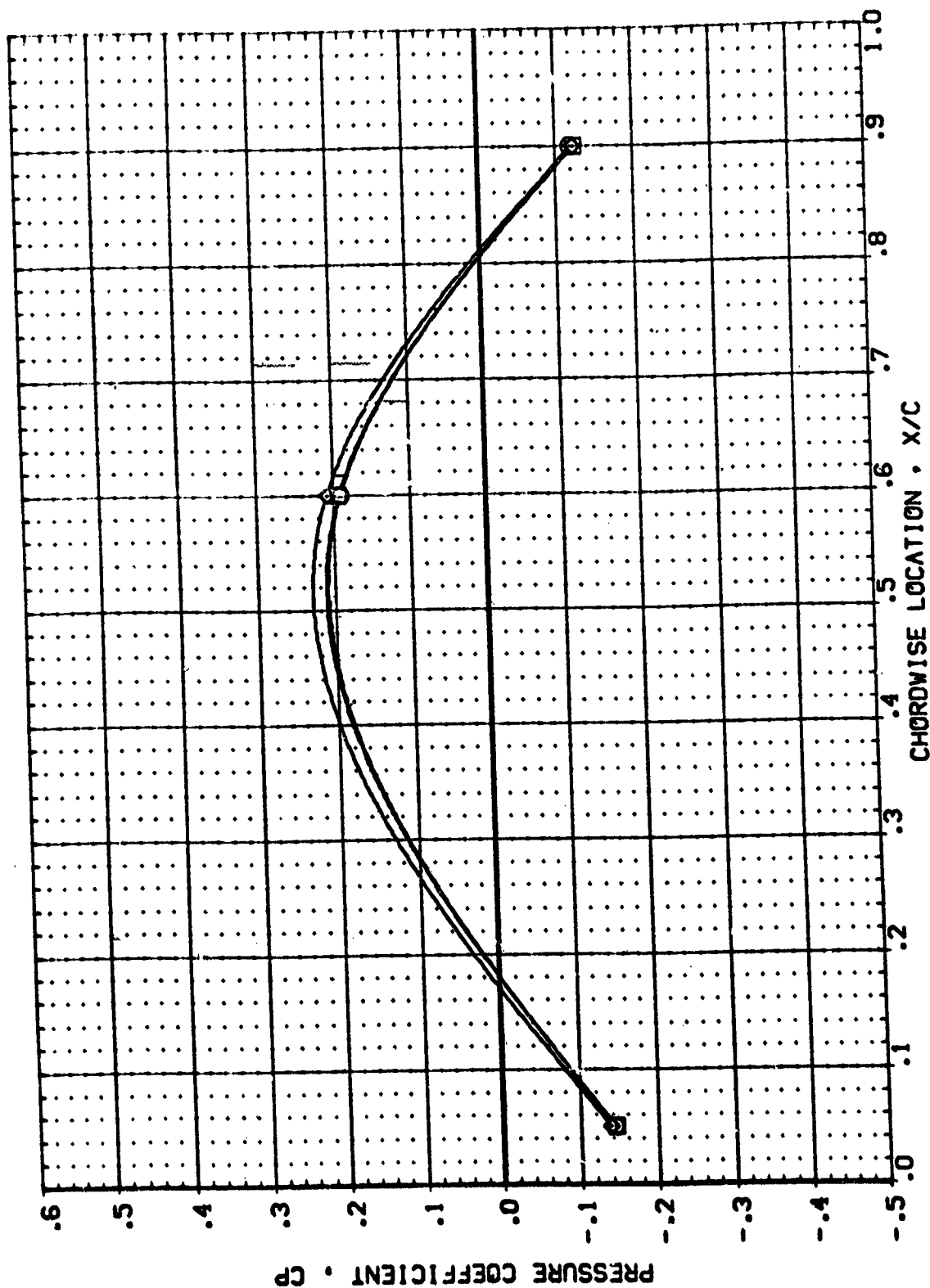
POWER GPR SPRR GIMBAL
 .000 1.000
 1.000 1.050
 1.000 .433 1.050 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV822) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV828) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV844) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER C/P SWPR GIMBAL
 .000 .433 1.000
 1.000 .433 1.050
 1.000 .433 2.000



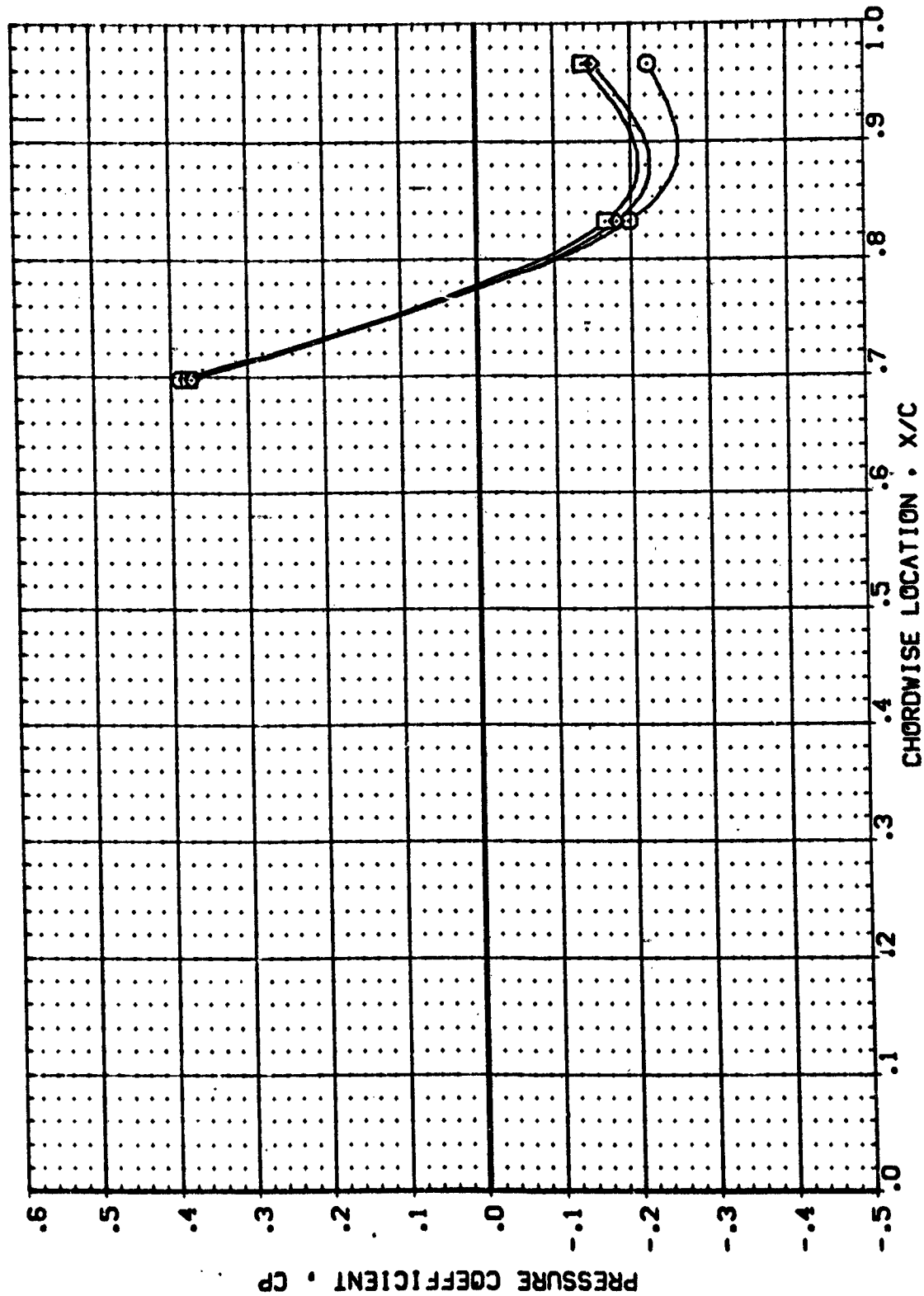
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R8V822) ARC 57-710 IAI28 01 T1 SI(BOTTOM VING)11
 (R8V828) ARC 57-710 IAI28 01 T1 SI(BOTTOM VING)11
 (R8V844) ARC 57-710 IAI28 01 T1 SI(BOTTOM VING)11

POWER 0PR SRPR GIMBAL
 .000 .433 1.000
 1.000 1.050 2.000

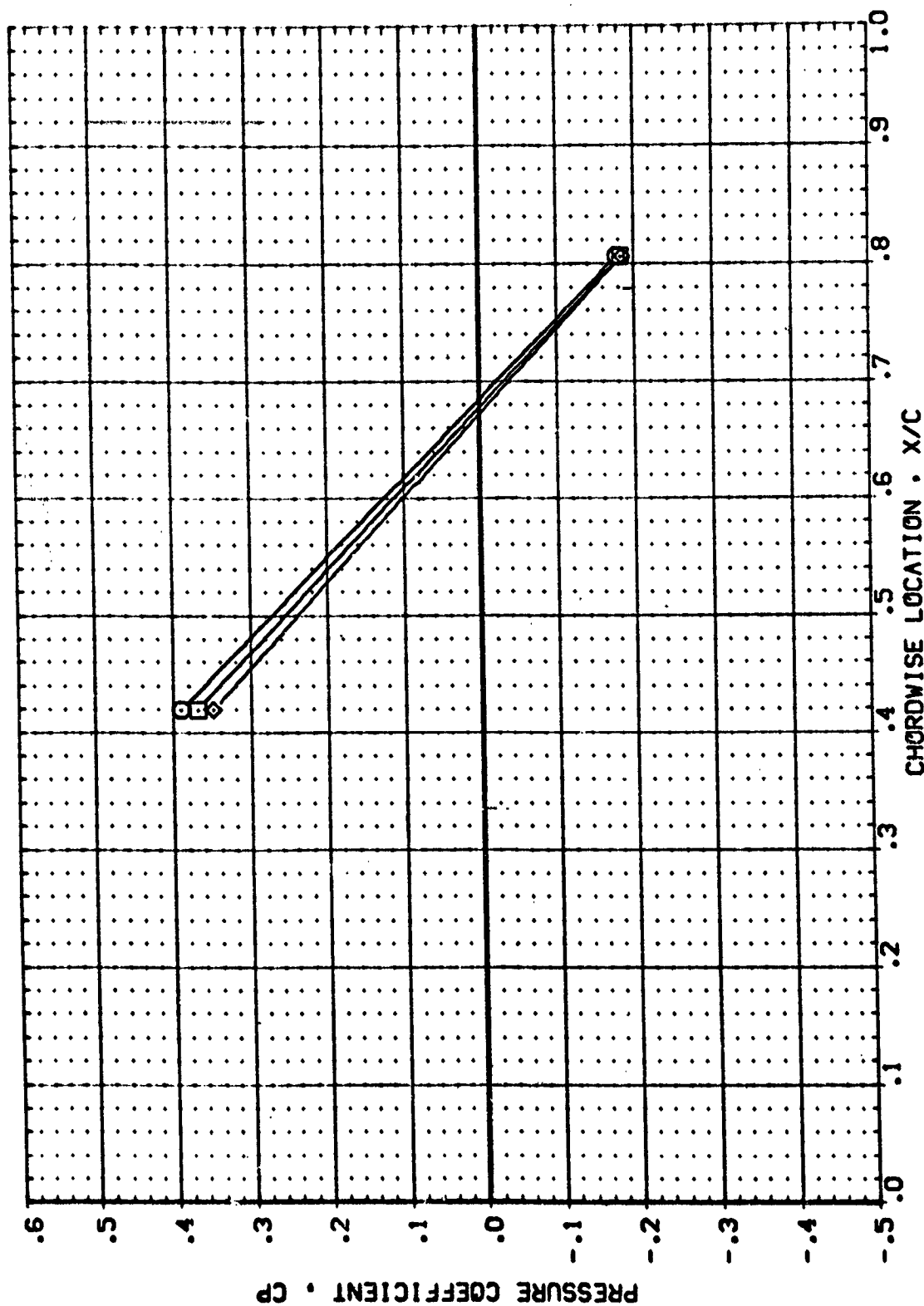


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V823) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R8V828) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R8V844) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER C/P R S/P R GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000

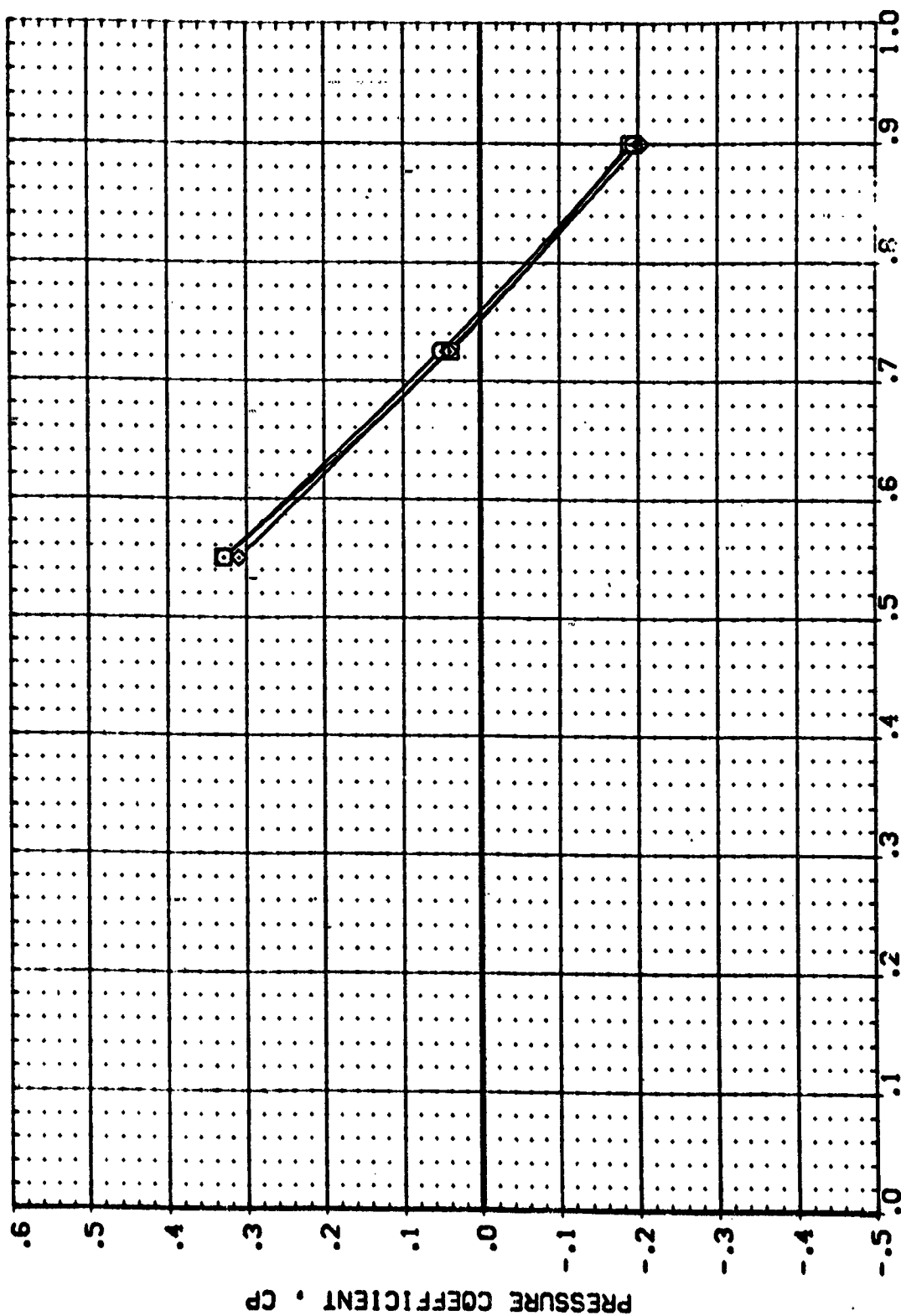


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV822) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RSV828) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RSV844) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER GPR SPMR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



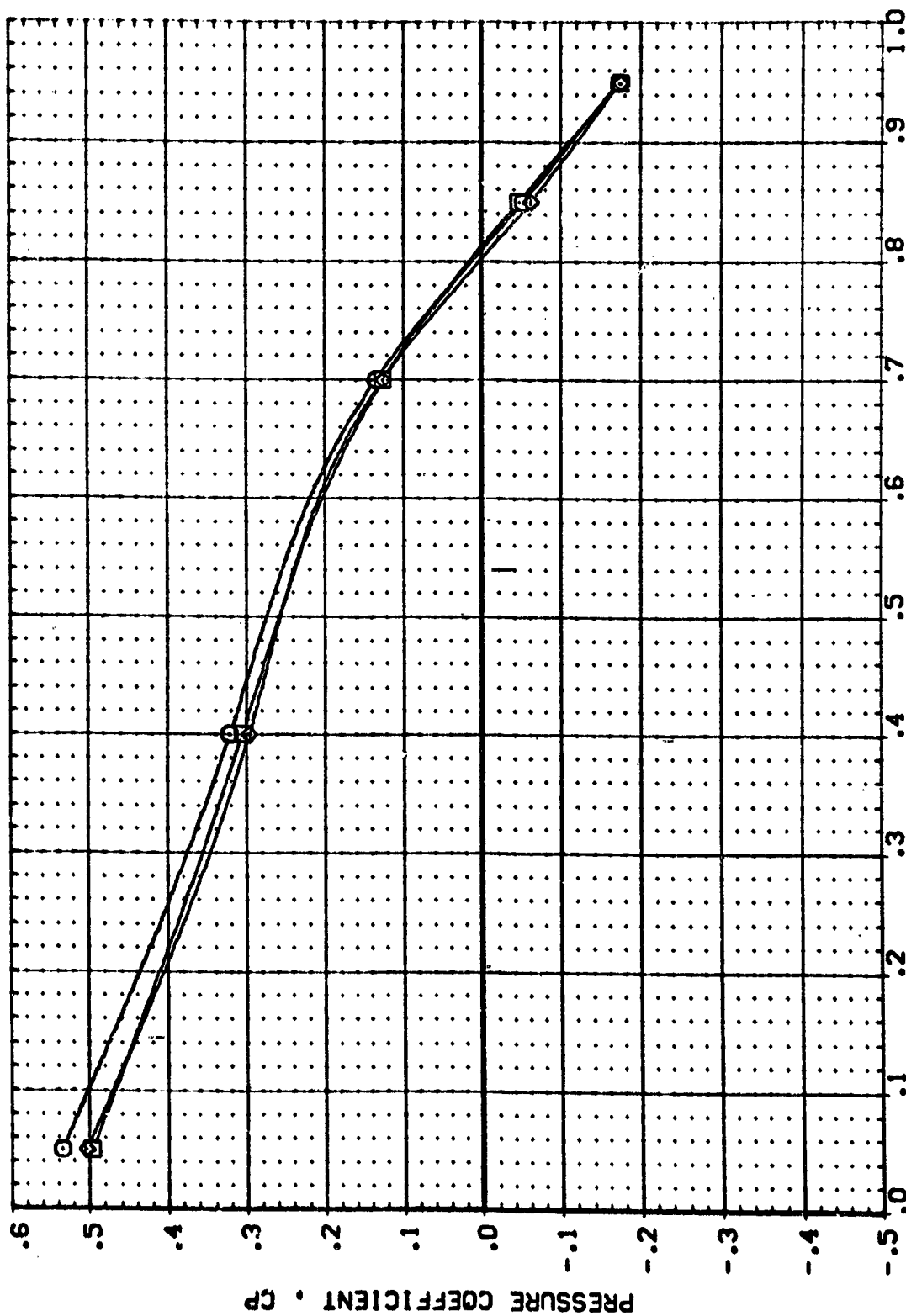
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(REV822) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV828) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV844) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11

POWER CDR SDRPR GIMBAL
 .000 .433 1.050 1.000
 1.000 .433 1.050 2.000



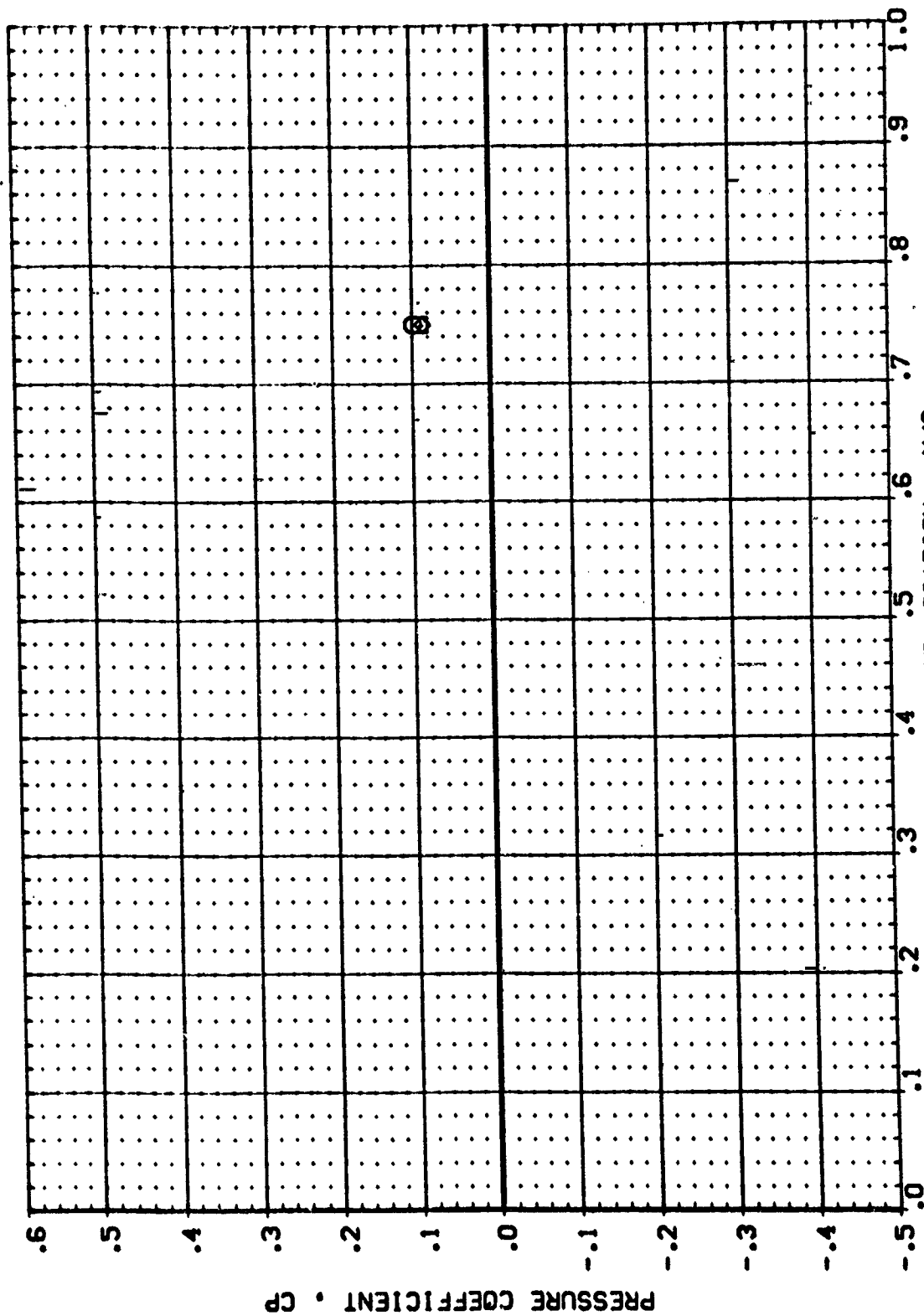
CHORDWISE LOCATION, X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 IAI28 OI TI SITE(BOTTOM VING)II
 (RBV828) ARC 97-710 IAI28 OI TI SITE(BOTTOM VING)II
 (RBV844) ARC 97-710 IAI28 OI TI SITE(BOTTOM VING)II

POWER OPR SRMPR GIMBAL
 .000
 1.000 .433 1.050 1.000
 1.000 1.000 1.050 2.000



CHORDWISE LOCATION • X/C
 PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

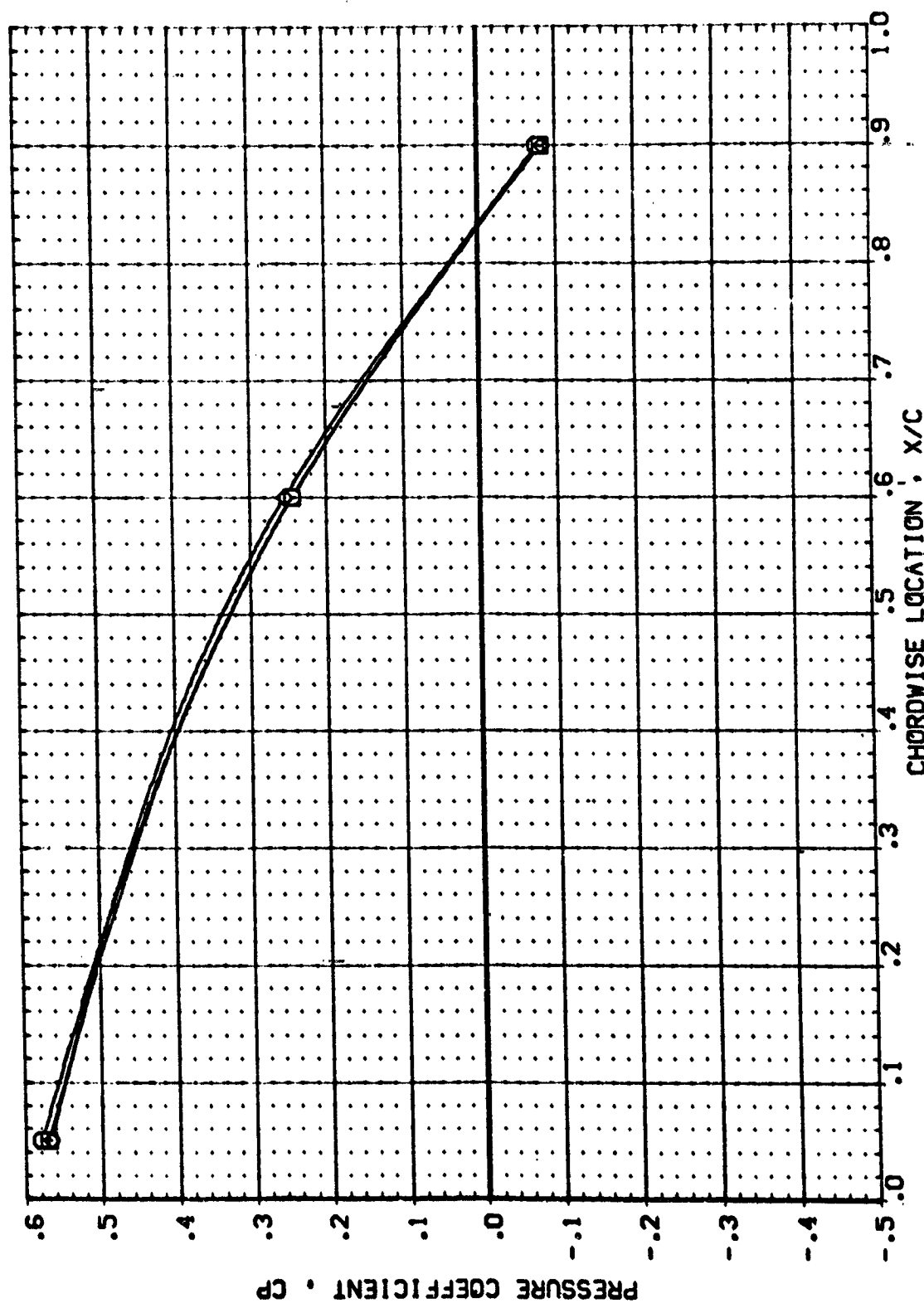
MACH = 1.550 ALPHA = 8.050 ETA = .780
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DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822)
(RBV823)
(RBV844)

ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111

POWER QPR SPPR GIMBAL
.000 .433 1.050 1.000
1.000 .433 1.050 2.000



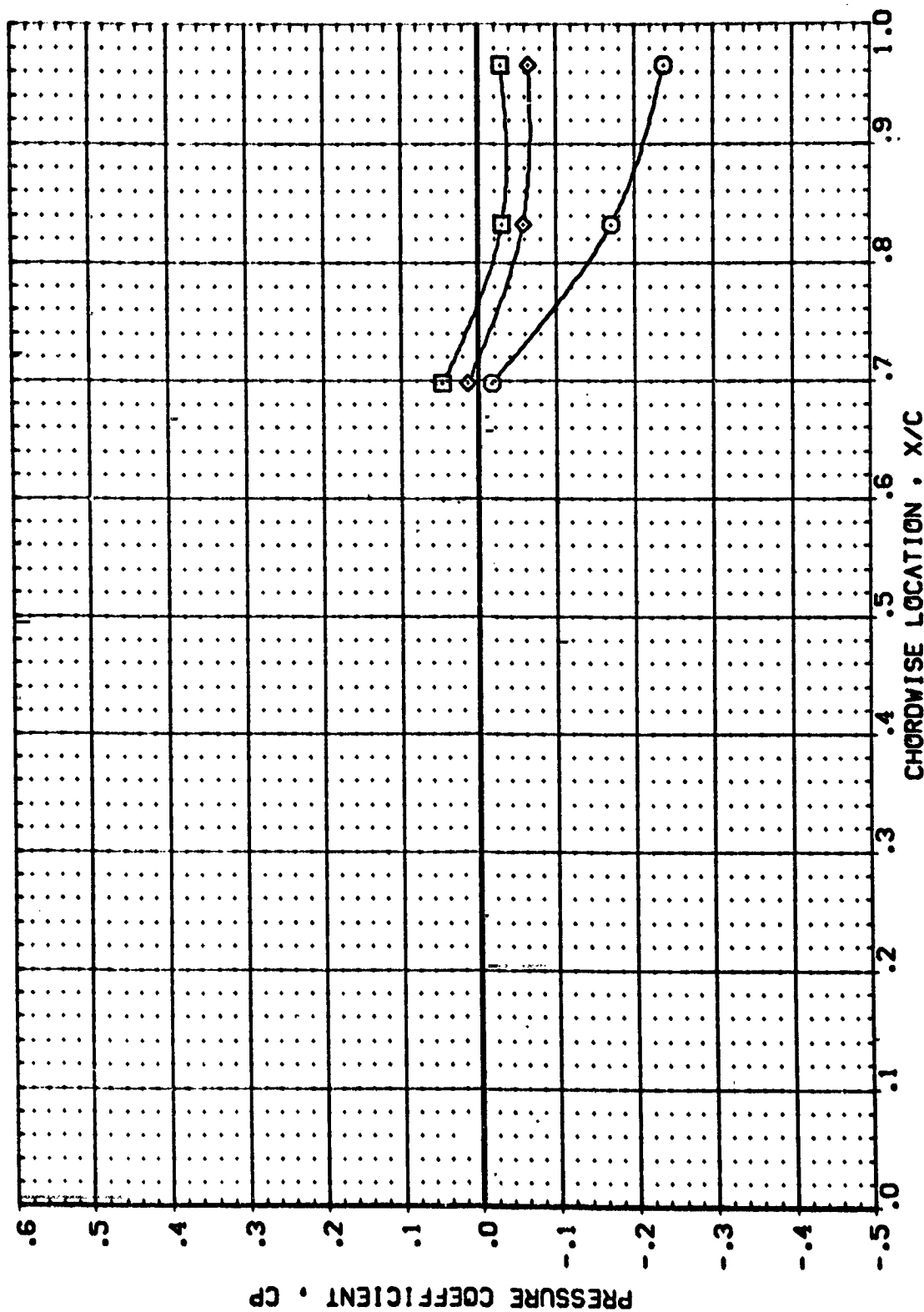
CHORDWISE LOCATION : X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R01821) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING111)
 (R01831) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING111)
 (R01849) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING111)

POWER CDR SAMPR GIMBAL
 1.000 .409 1.245 1.000
 1.000 .409 1.245 2.000



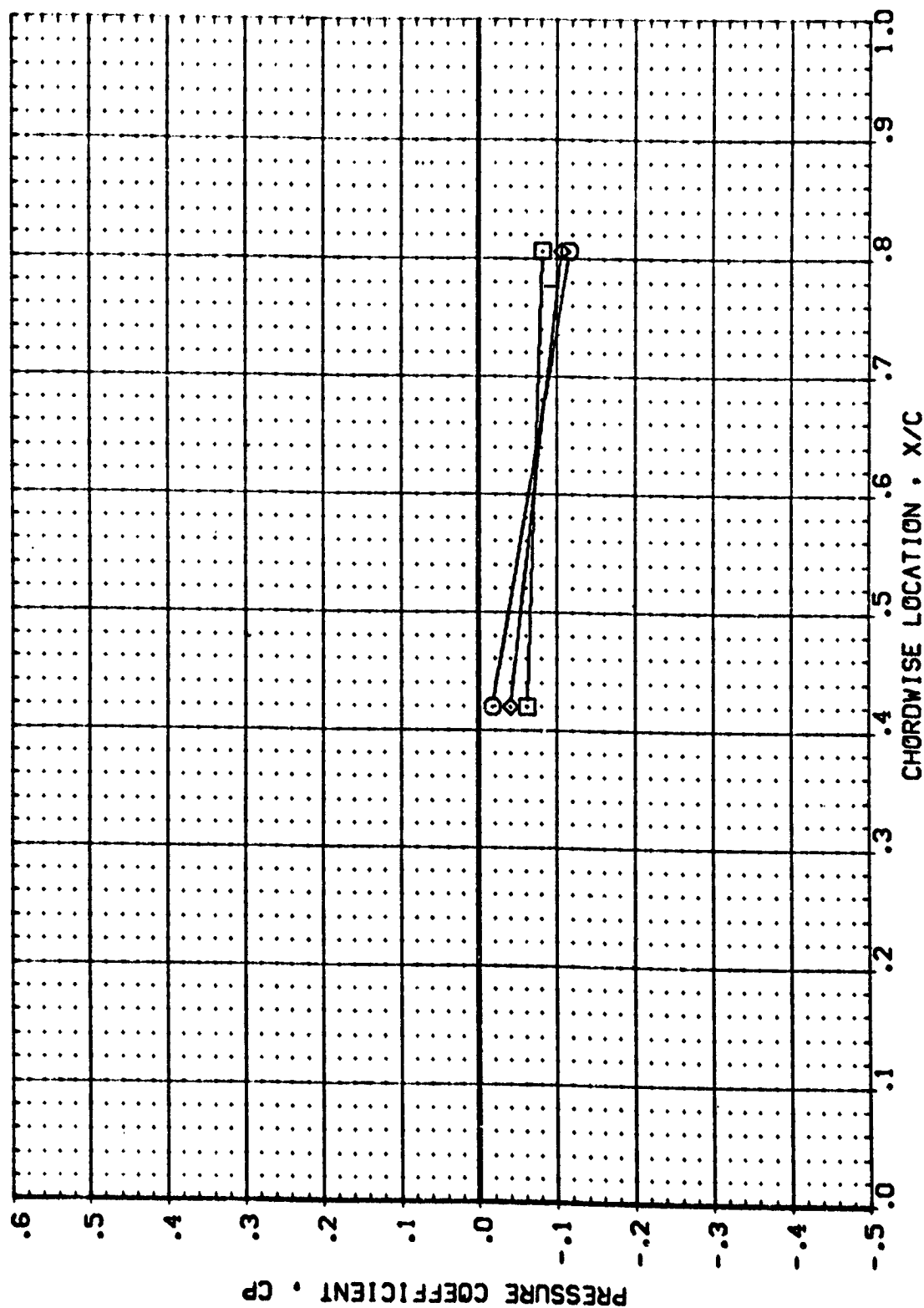
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[RSV821] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 [RSV831] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 [RSV849] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER .000 .409 .409
 1.000 1.000 1.000
 GIMBAL 1.000 1.000 2.000

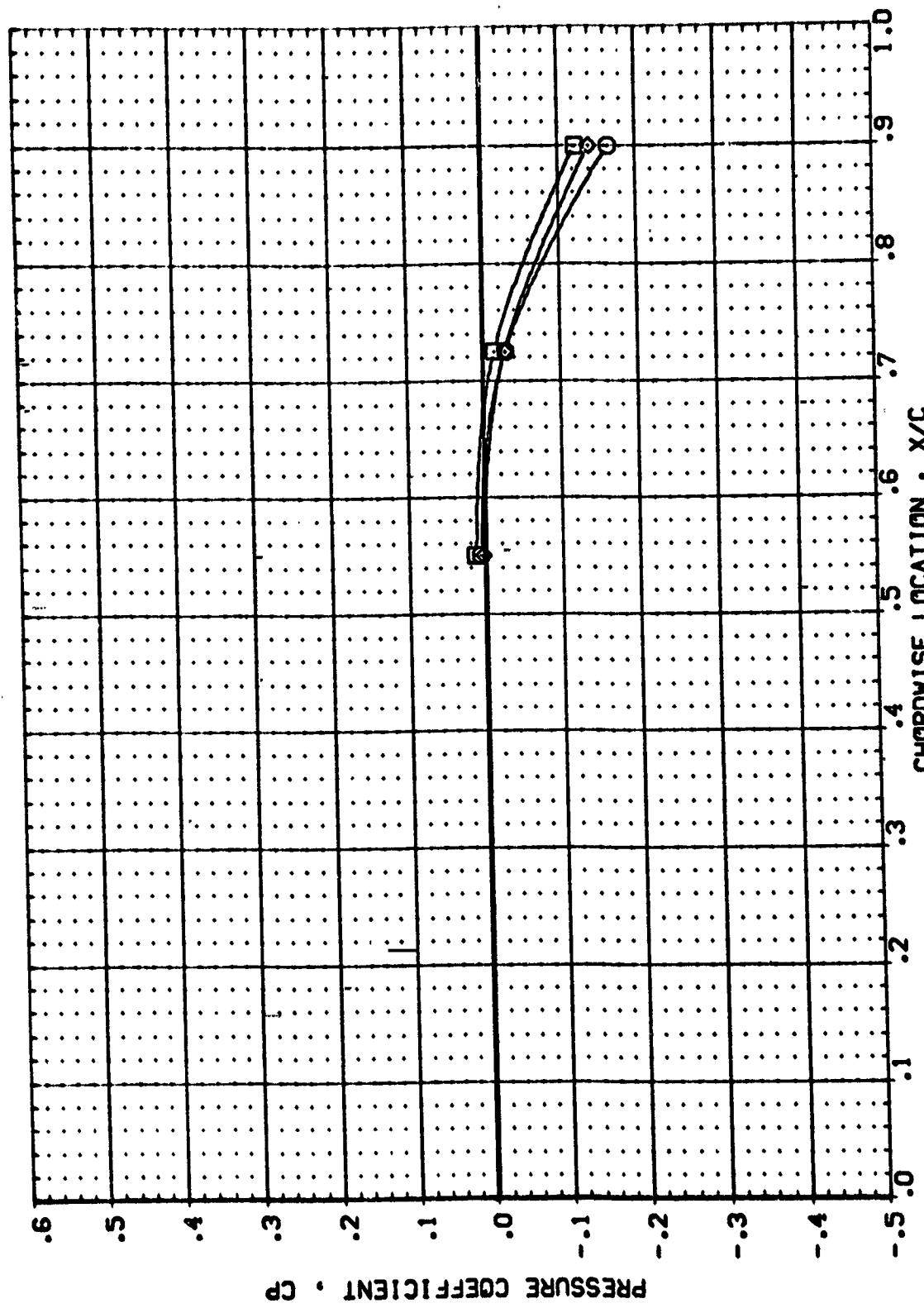


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V821) ARC 87-710 1A128 01 T1 S1(BOTTOM VING)11
 (R8V831) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (R8V849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER OPR SR/PR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000



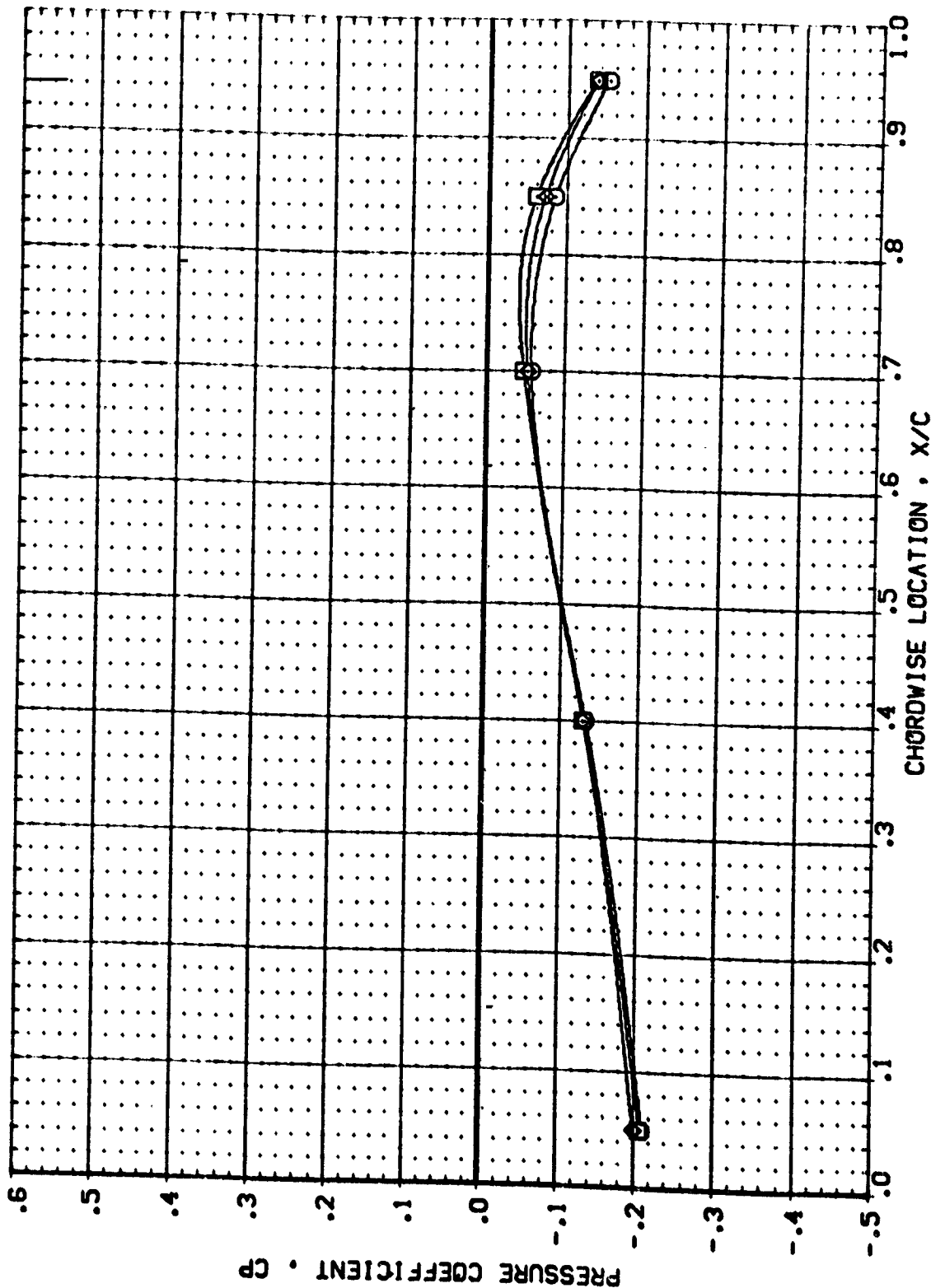
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RSV621) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11
 (RSV631) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11
 (RSV649) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11

POWER CDR SDRPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000

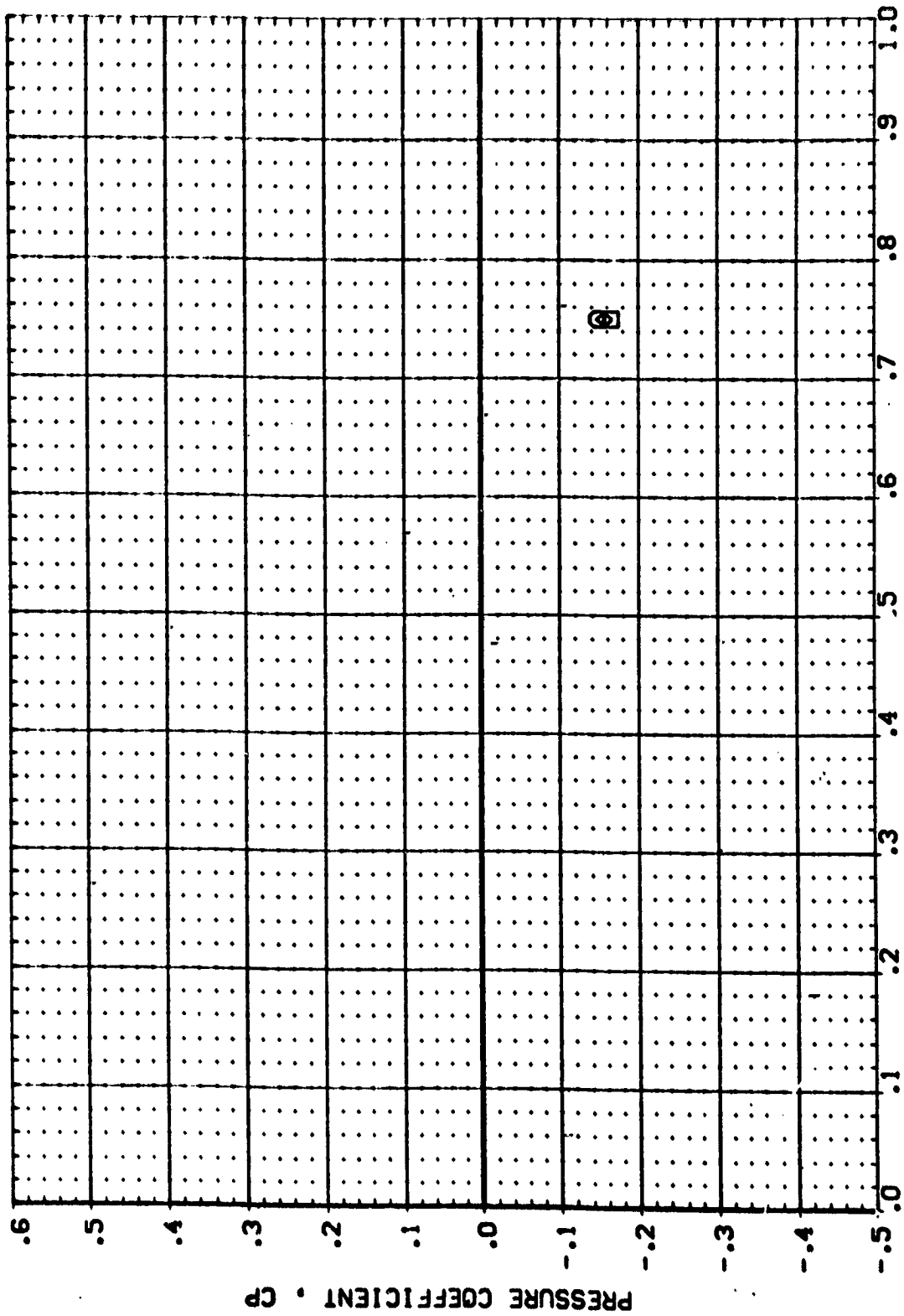


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV821) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11
 (RSV831) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11
 (RSV849) ARC 97-710 1A12B 01 T1 S1(BOTTOM VING)11

POWER C/P SR/PR GIMBAL
 .000 1.000 1.000
 1.000 .409 1.245
 1.000 1.245 2.000

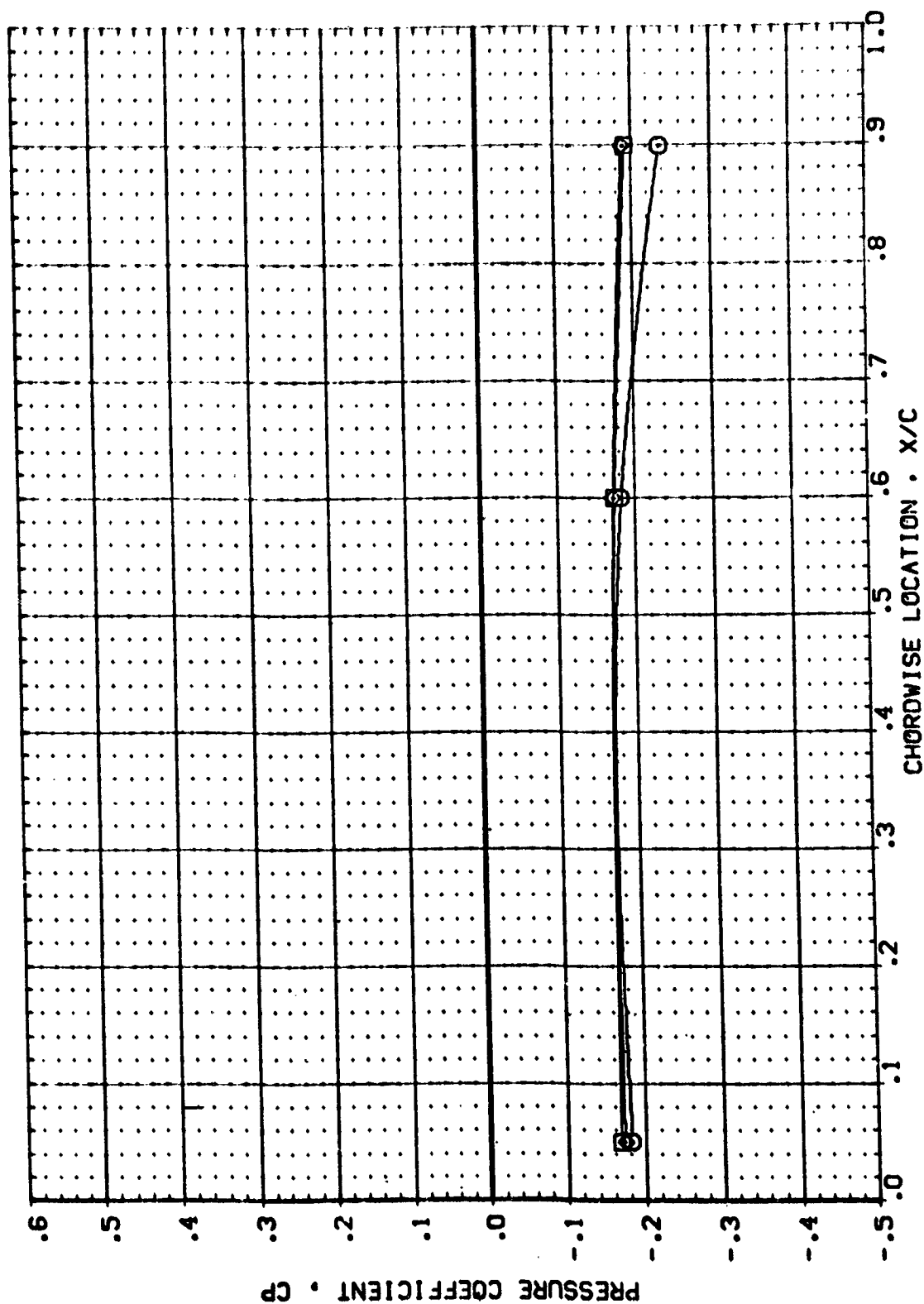


CHORDWISE LOCATION • X/C
 PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .780 PAGE 167

DATA SET SYMBOL: [RBV82] [RBV83] [RBV849]
 CONFIGURATION DESCRIPTION:
 ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER: .000, 1.000, 1.000
 DFR: .409, .409
 SWPR: 1.245, 1.245
 GIMBAL: 1.000, 1.000, 1.000

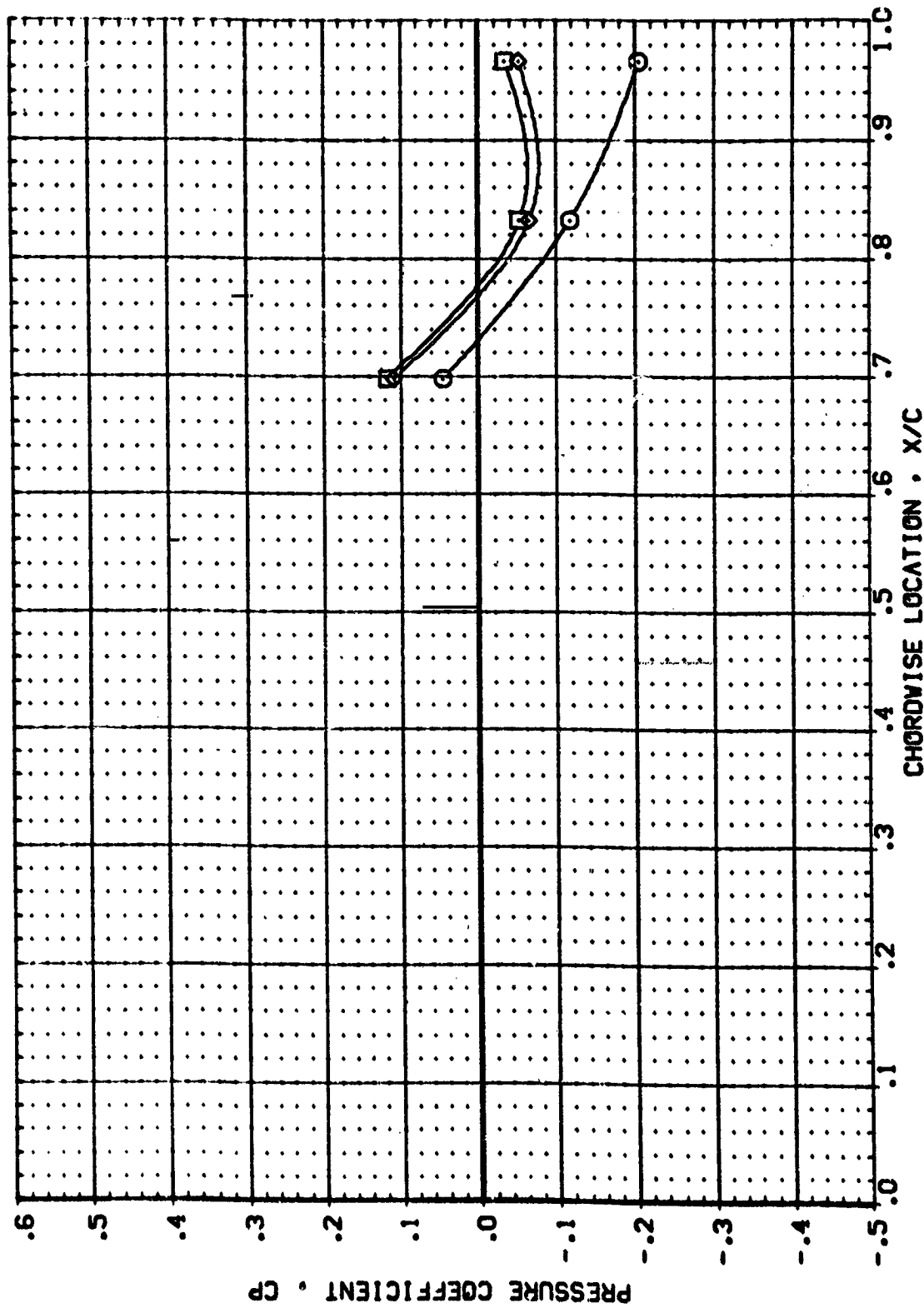


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 IAI28 CI T1 S1(BOTTOM VING)11
 (RBV831) ARC 97-710 IAI28 CI T1 S1(BOTTOM VING)11
 (RBV849) ARC 97-710 IAI28 CI T1 S1(BOTTOM VING)11

POWER C/P S/PFR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000



CHORDWISE LOCATION · X/C

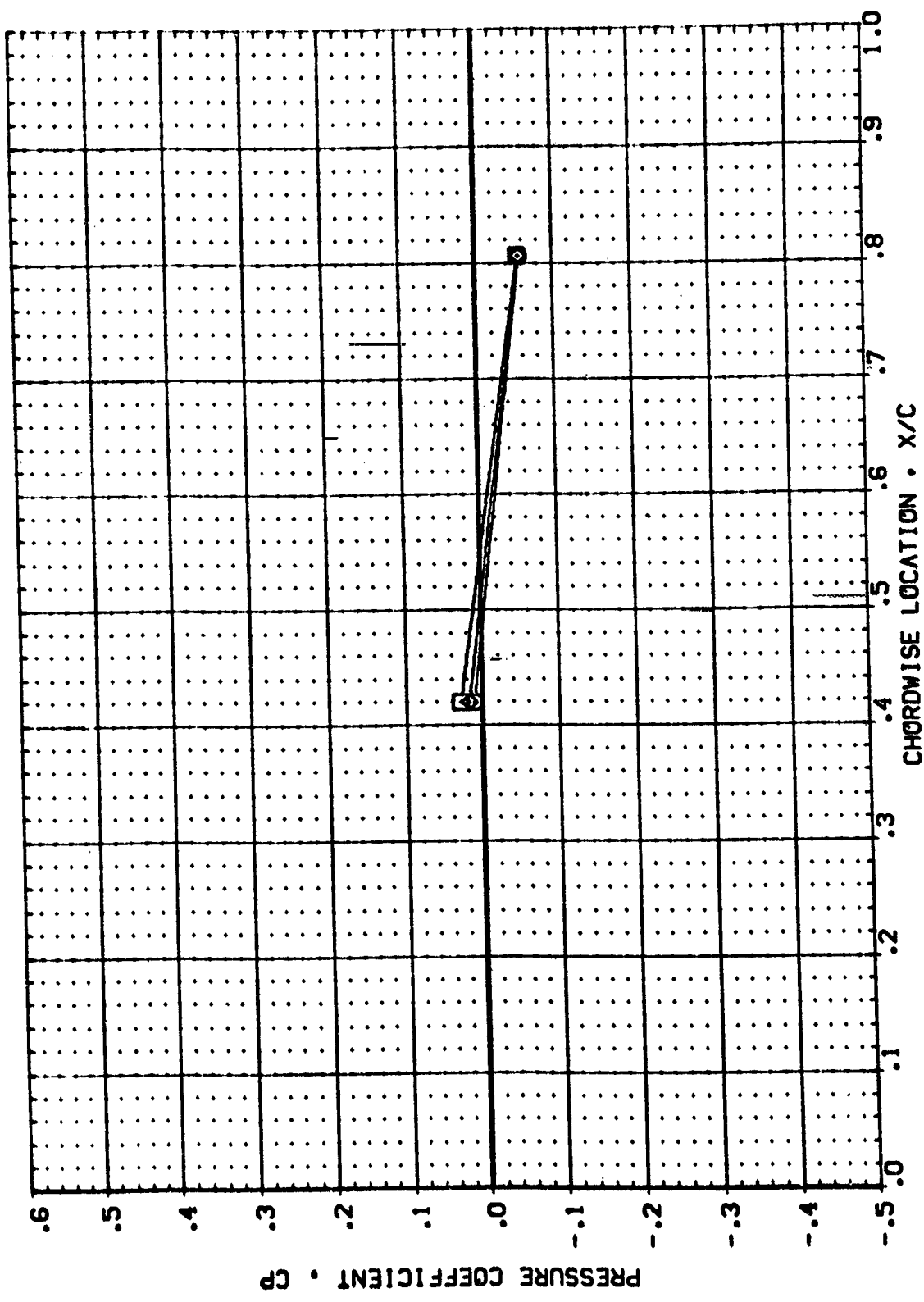
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .299

PAGE 169

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV821) ARC 97-710 IAI28 O1 T1 SII(BOTTOM VING)!!!
 (REV831) ARC 97-710 IAI28 O1 T1 SII(BOTTOM VING)!!!
 (REV849) ARC 97-710 IAI28 O1 T1 SII(BOTTOM VING)!!!

POWER RPM SRPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000



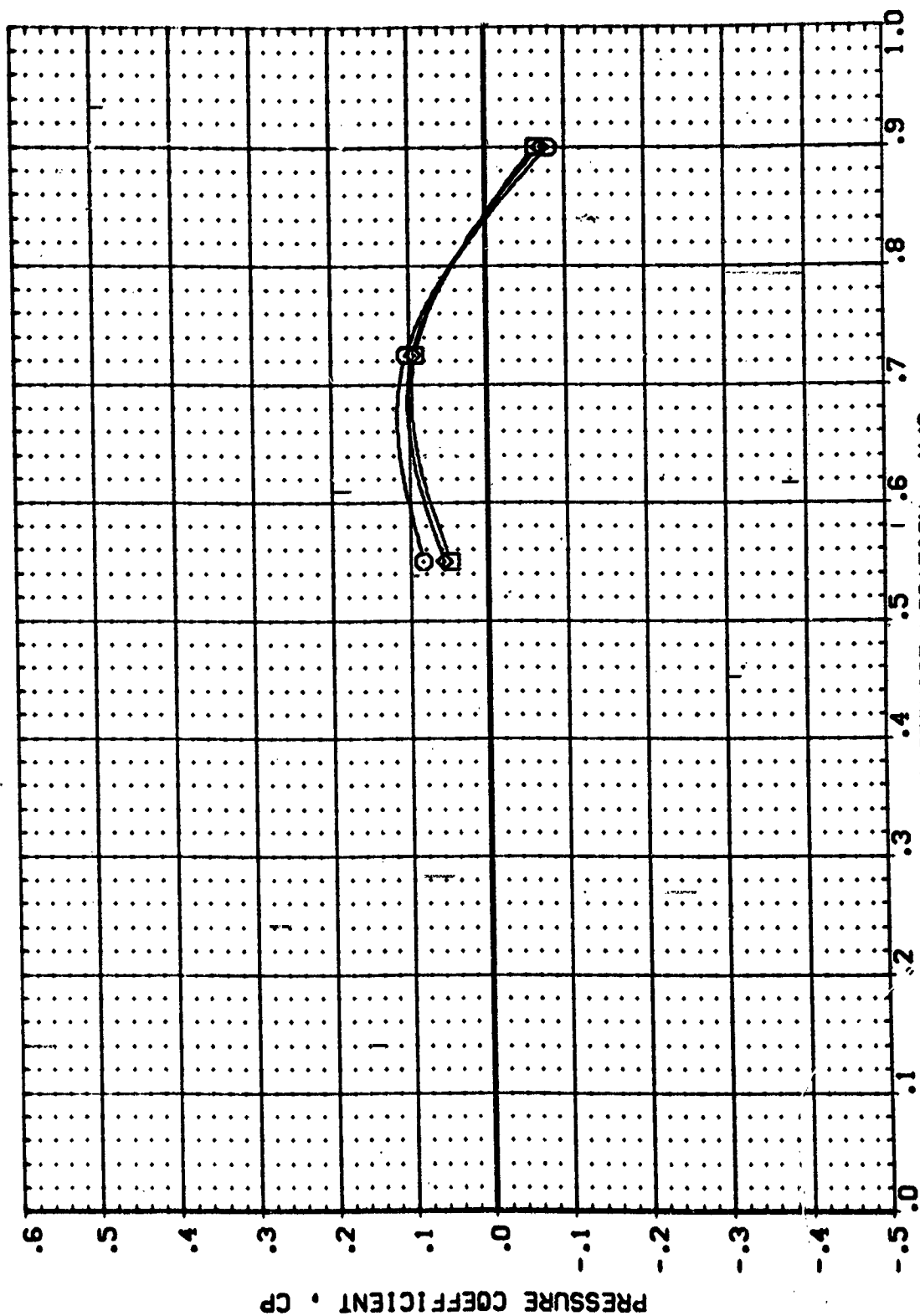
CHORDWISE LOCATION • X/C

PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .427 PAGE 170

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV831) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER C/P S/P/R GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000

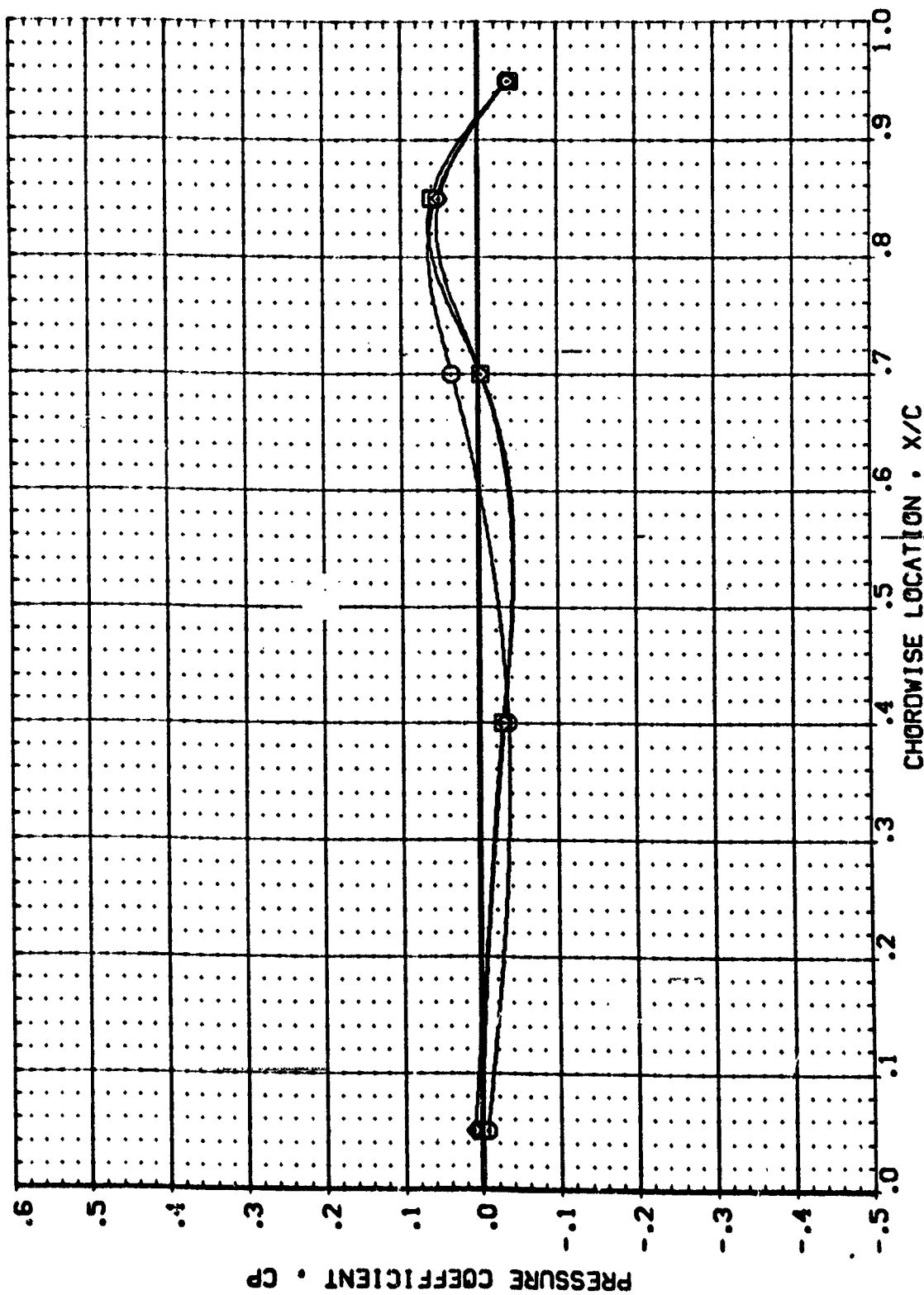


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .40 ETA = .534 PAGE 171

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV821) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV831) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER QPR SMPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000

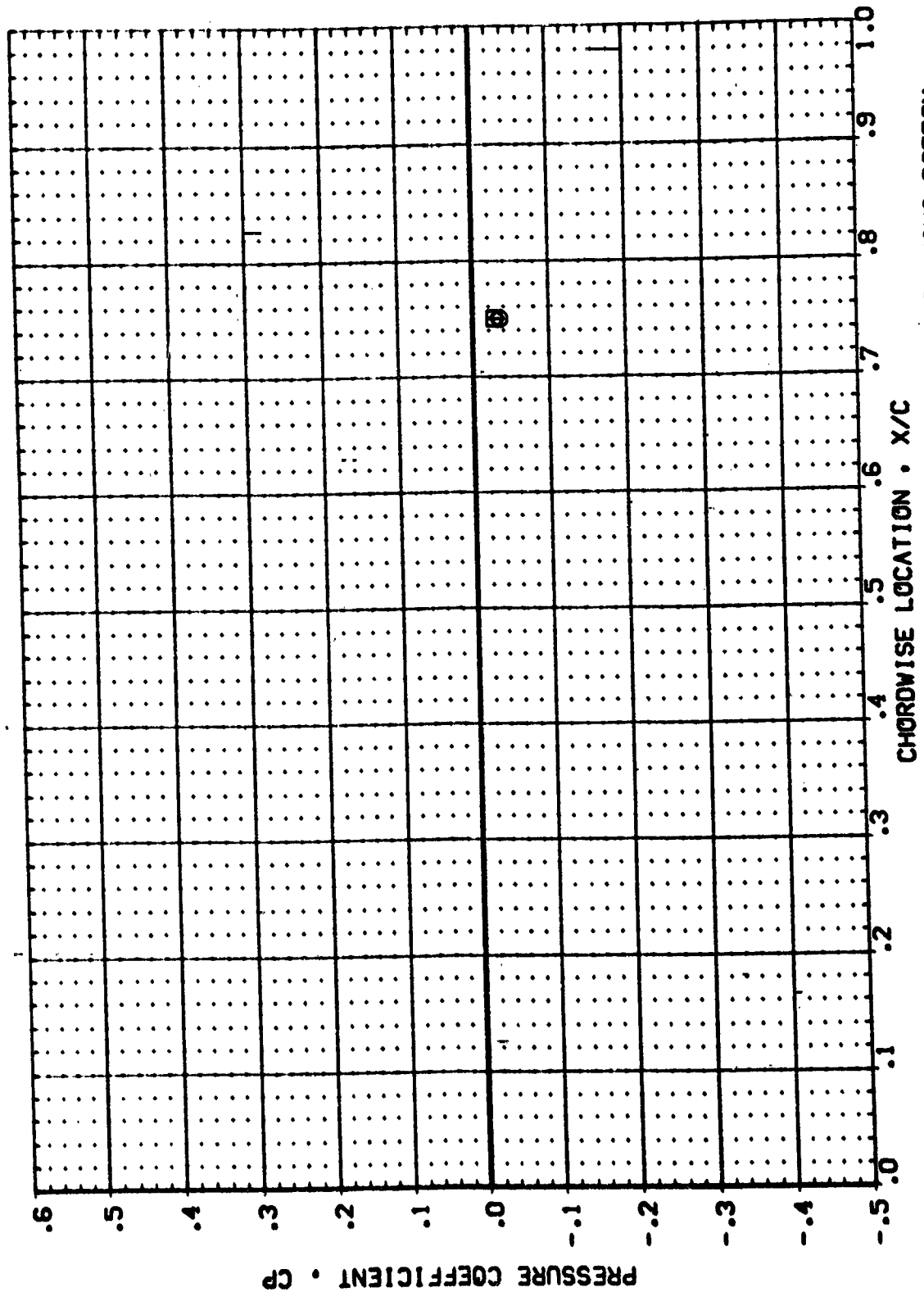


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV21) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV23) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV249) ARC 97-713 1A128 01 T1 S1(BOTTOM VING)11

POWER C/P SR-PR GIMBAL
 .000 1.000
 1.000 1.245
 1.000 1.245

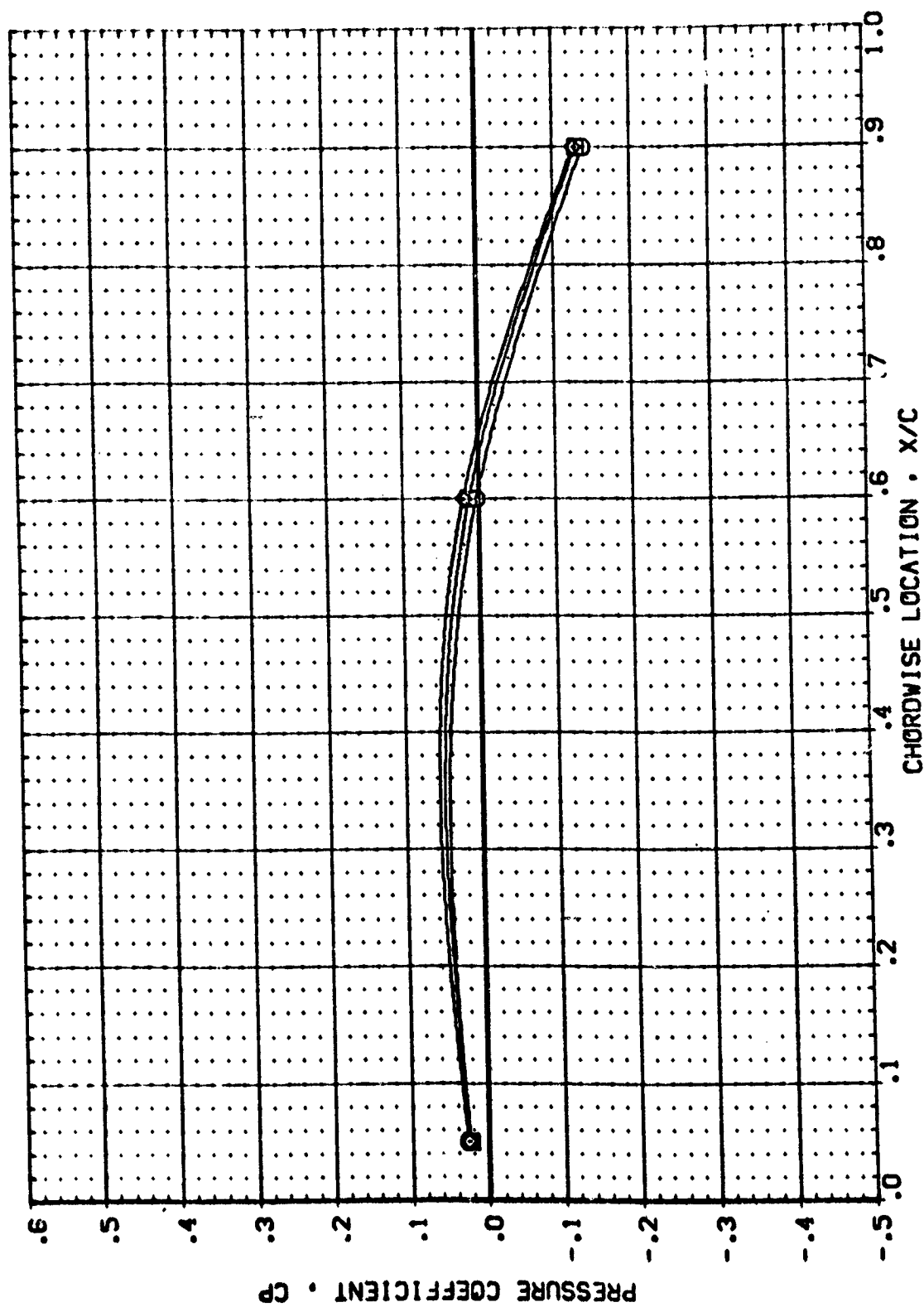


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .780
 PAGE 173

DATA SET SYMBOL. CONFIGURATION DESCRIPTION
 (REV921) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING11)
 (REV931) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING11)
 (REV949) ARC 97-710 I A128 O1 T1 SI(BOTTOM VING11)

POWER QPR GIMBAL
 .000 1.000
 1.000 1.245
 1.000 1.245 2.000

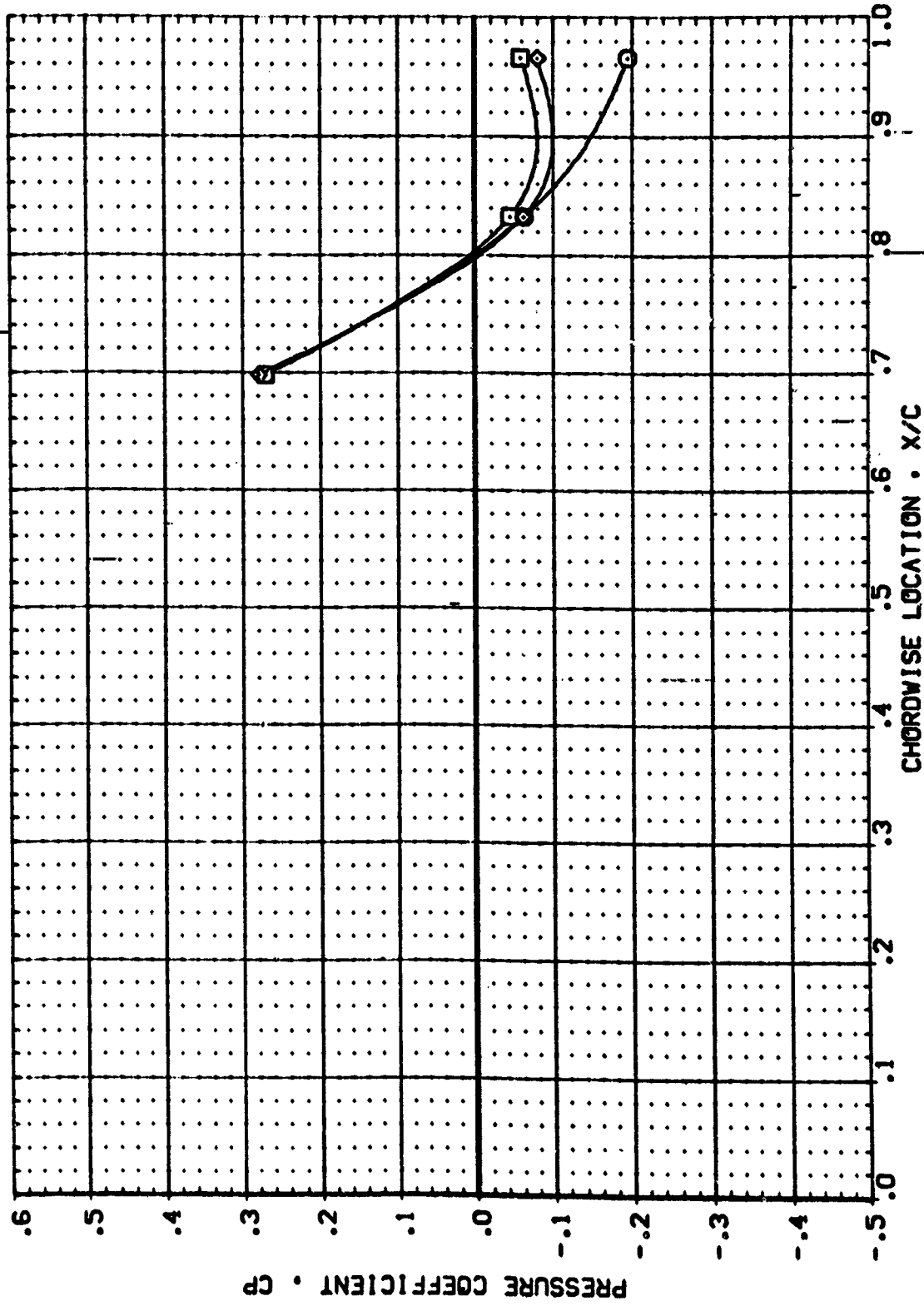


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .887 PAGE 174

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V821) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R8V831) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (R8V849) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER C/P R/SWPR GIMBAL
 .000 .409 1.000
 1.000 .409 1.245
 1.000 1.245 2.000

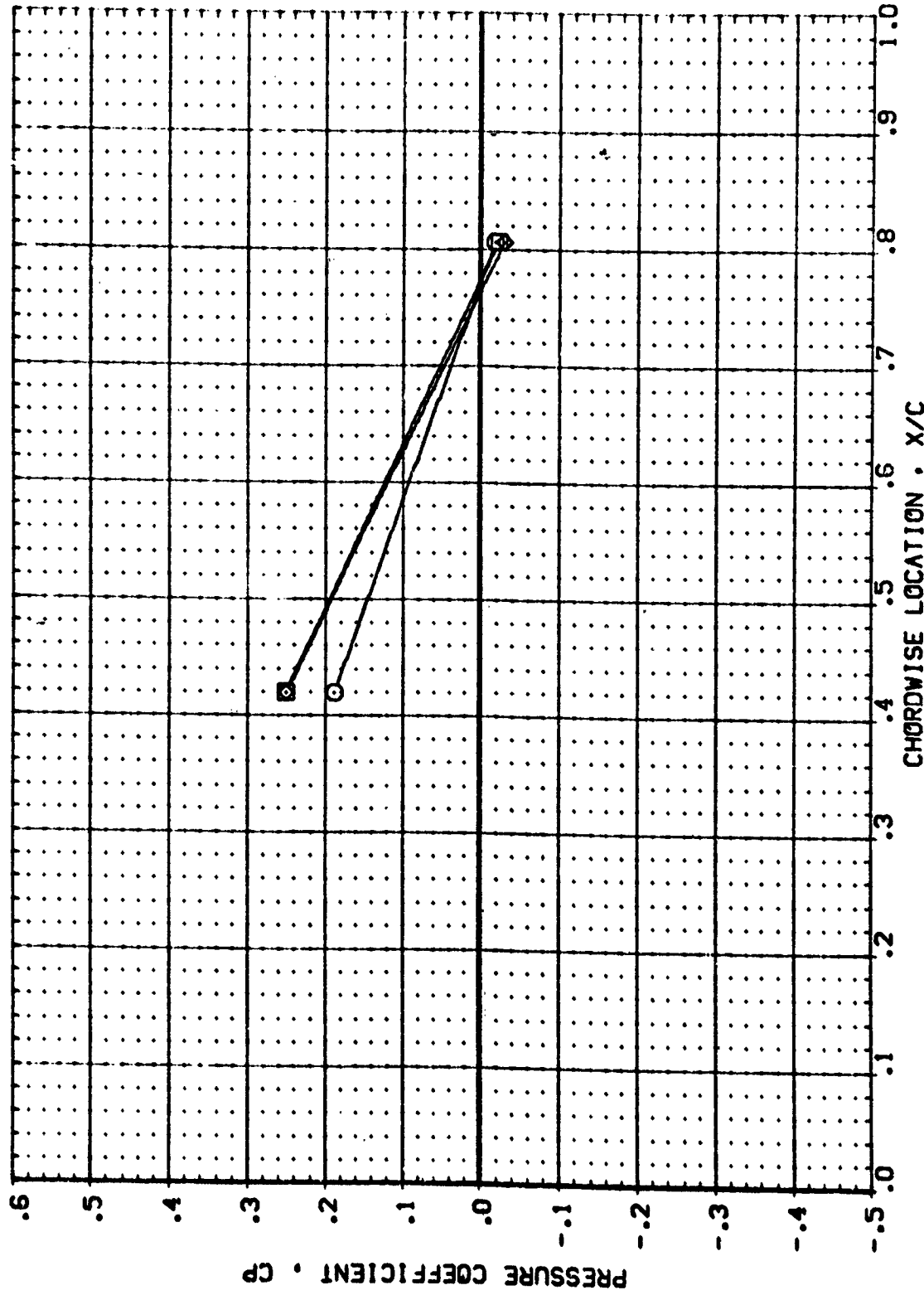


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV821) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RSV831) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RSV849) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

POWER QPR SRPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 2.000

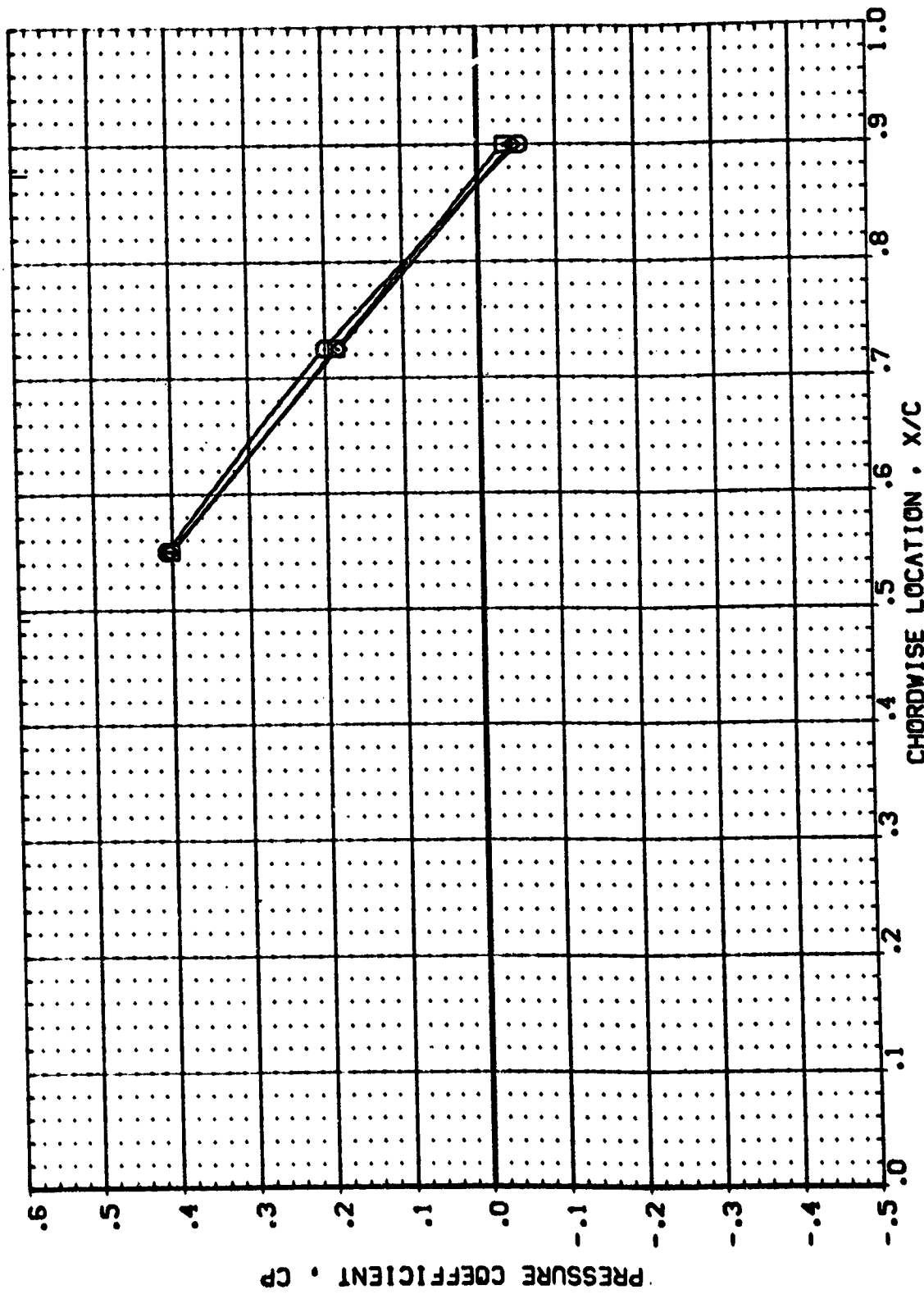


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV821) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV831) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (REV849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER DPR SHPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 1.000
 1.000 .409 1.245 2.000



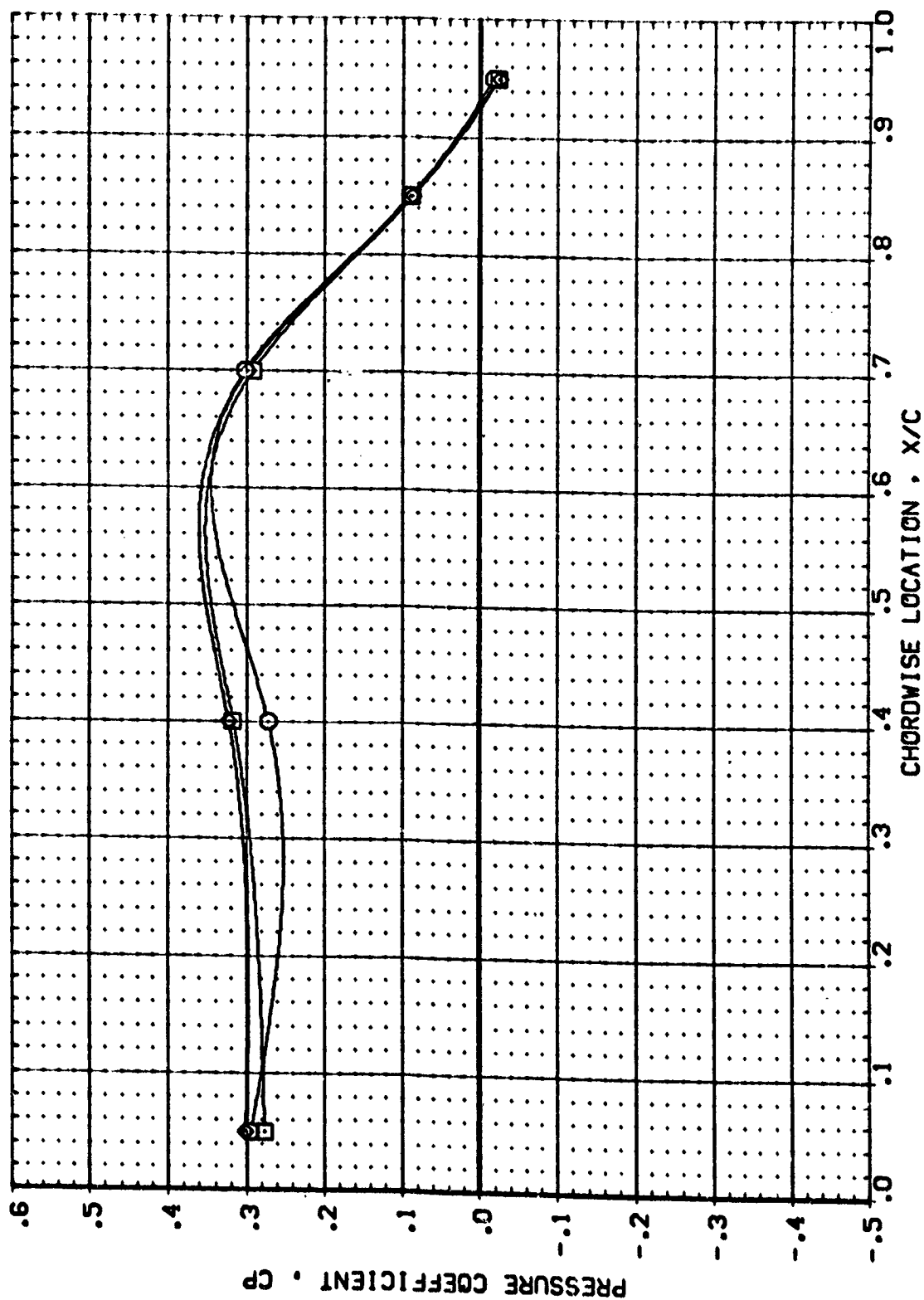
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .534 PAGE 177

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R8V821) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (R8V831) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (R8V849) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

POWER .000 .409 .409
 GIMBAL 1.000 1.245 2.000



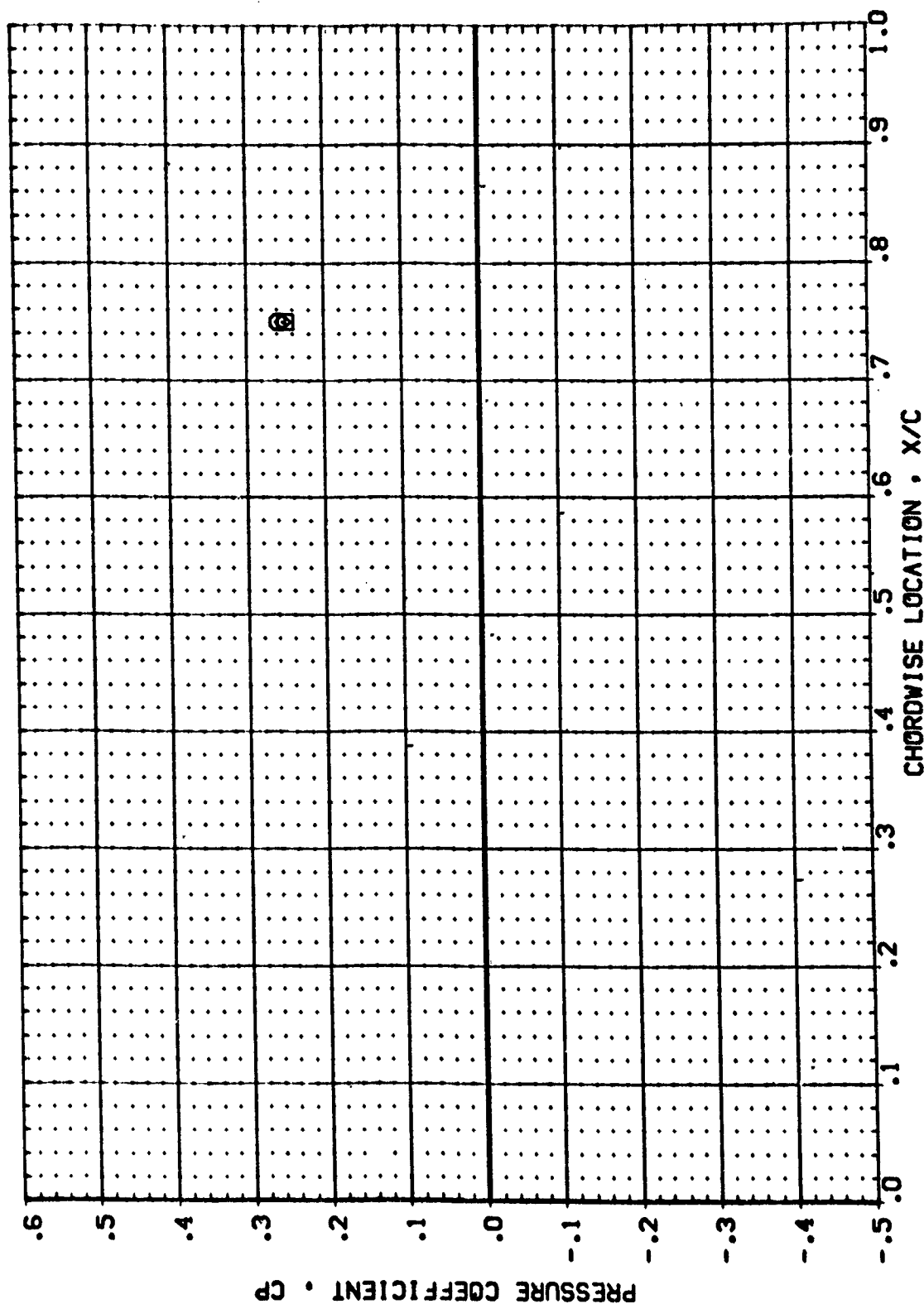
PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .673 PAGE 178

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVB21) ARC 97-710 1A128 01 T1 SI(BOTTOM WING)11
 (RBVB31) ARC 97-710 1A128 01 T1 SI(BOTTOM WING)11
 (RBVB49) ARC 97-710 1A128 01 T1 SI(BOTTOM WING)11

POWER C/P SR/PR GIMBAL
 .000
 1.000 1.245 1.000
 1.000 .409 1.245 2.000

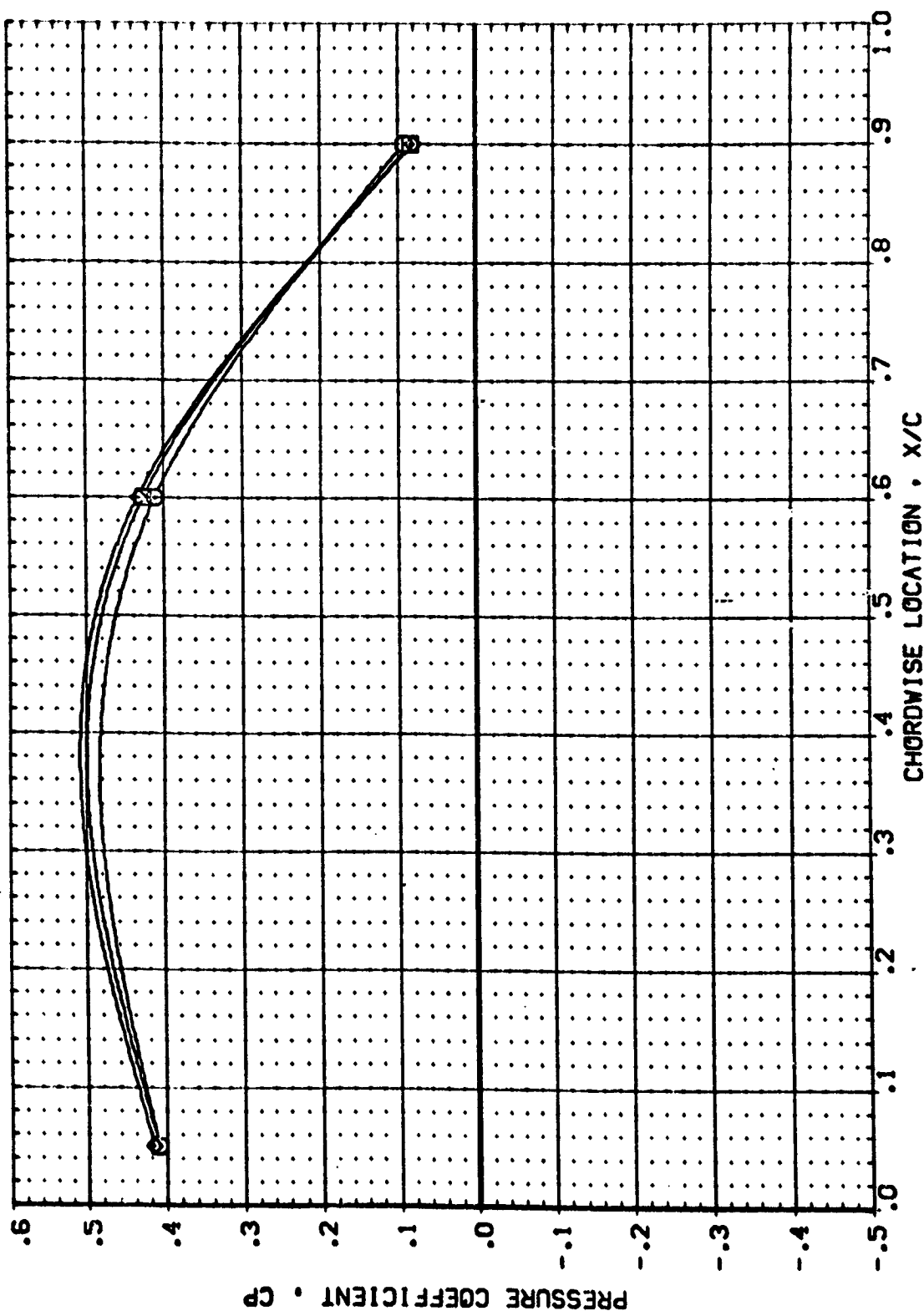


PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 IAI28 OI T1 SI(BOTTOM VING)11
 (RBV831) ARC 97-710 IAI28 OI T1 SI(BOTTOM VING)11
 (RBV849) ARC 97-710 IAI28 OI T1 SI(BOTTOM VING)11

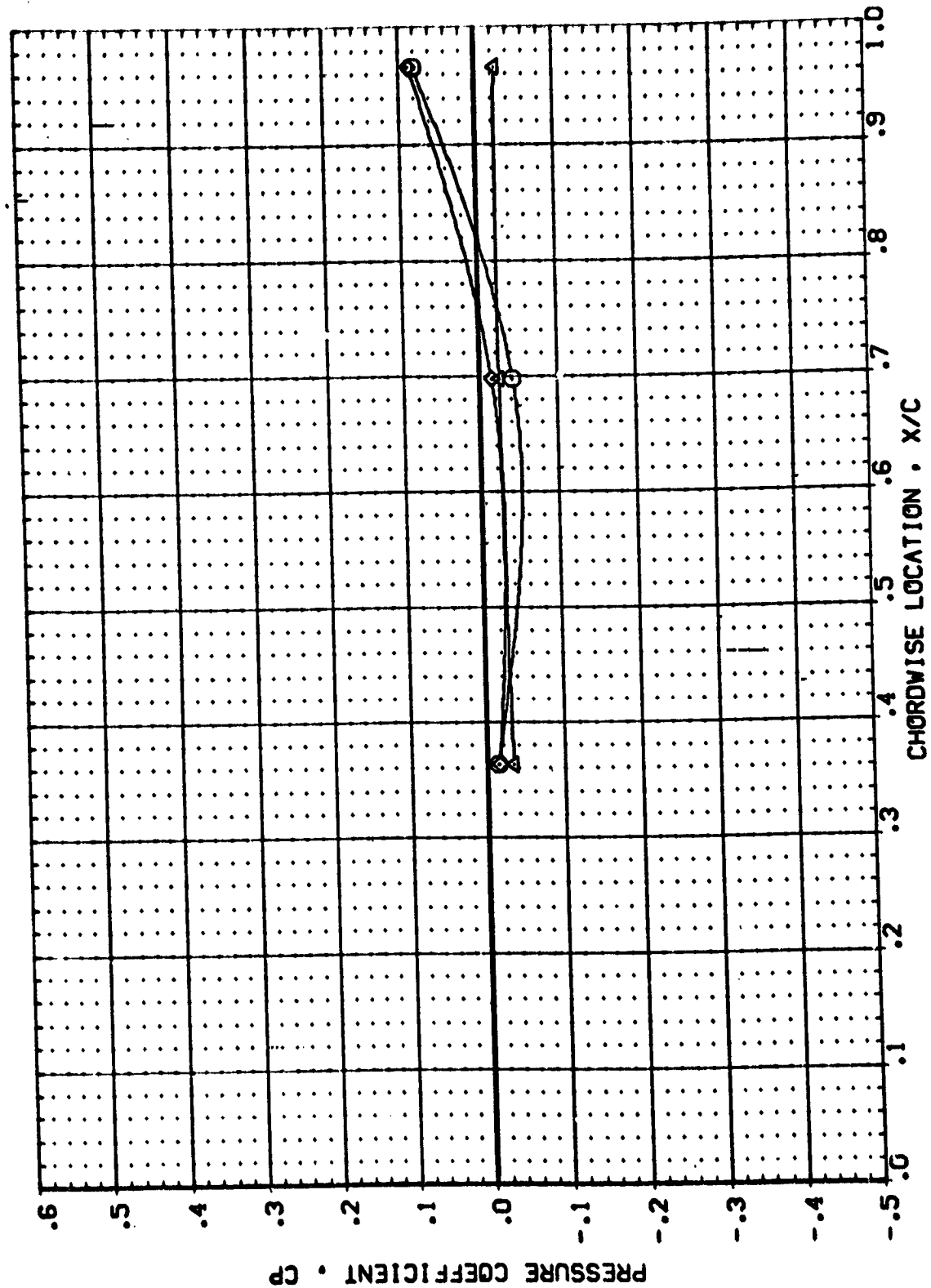
POWER CDR SMPR GIMBAL
 .000 .409 1.245 1.000
 1.000 .409 1.245 1.000
 1.000 .409 1.245 2.000



PLUME AND GIMBAL ANGLE EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .887

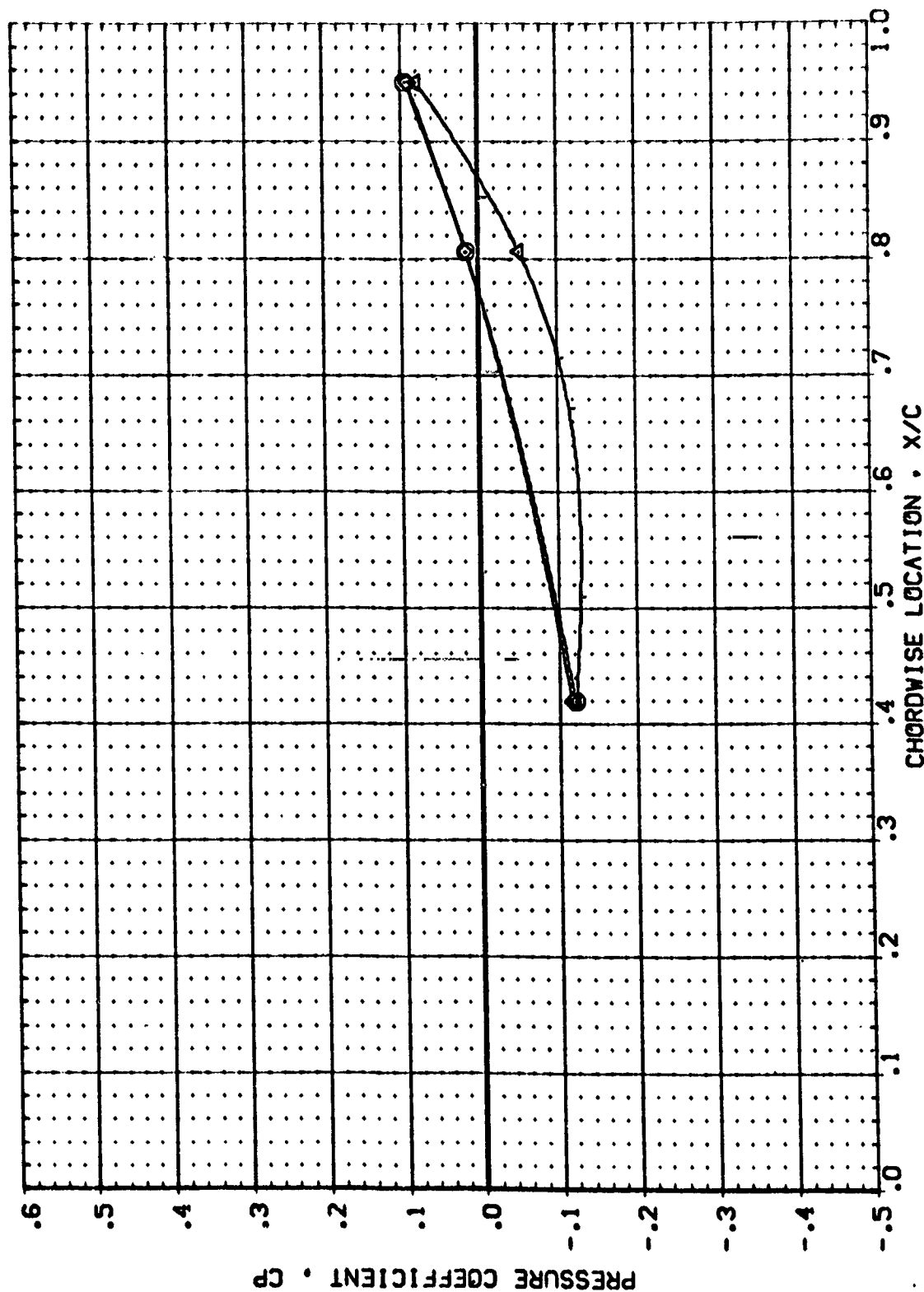
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GIMBAL
(RBV132)	ARC 97-710 A128 01 T1 S1 (TOP VING)	.000	.433	.469	1.000
(RBV143)	ARC 97-710 A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RBV144)	ARC 97-710 A128 01 T1 S1 (TOP VING)	1.000	.433	1.750	2.000
(RBV147)	ARC 97-710 A128 01 T1 S1 (TOP VING)	1.000	.433	1.750	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT32) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT43) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT44) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT47) ARC 97-710 [A128 01 T1 S1 (TOP VING)]

POWER OPR SFRFR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

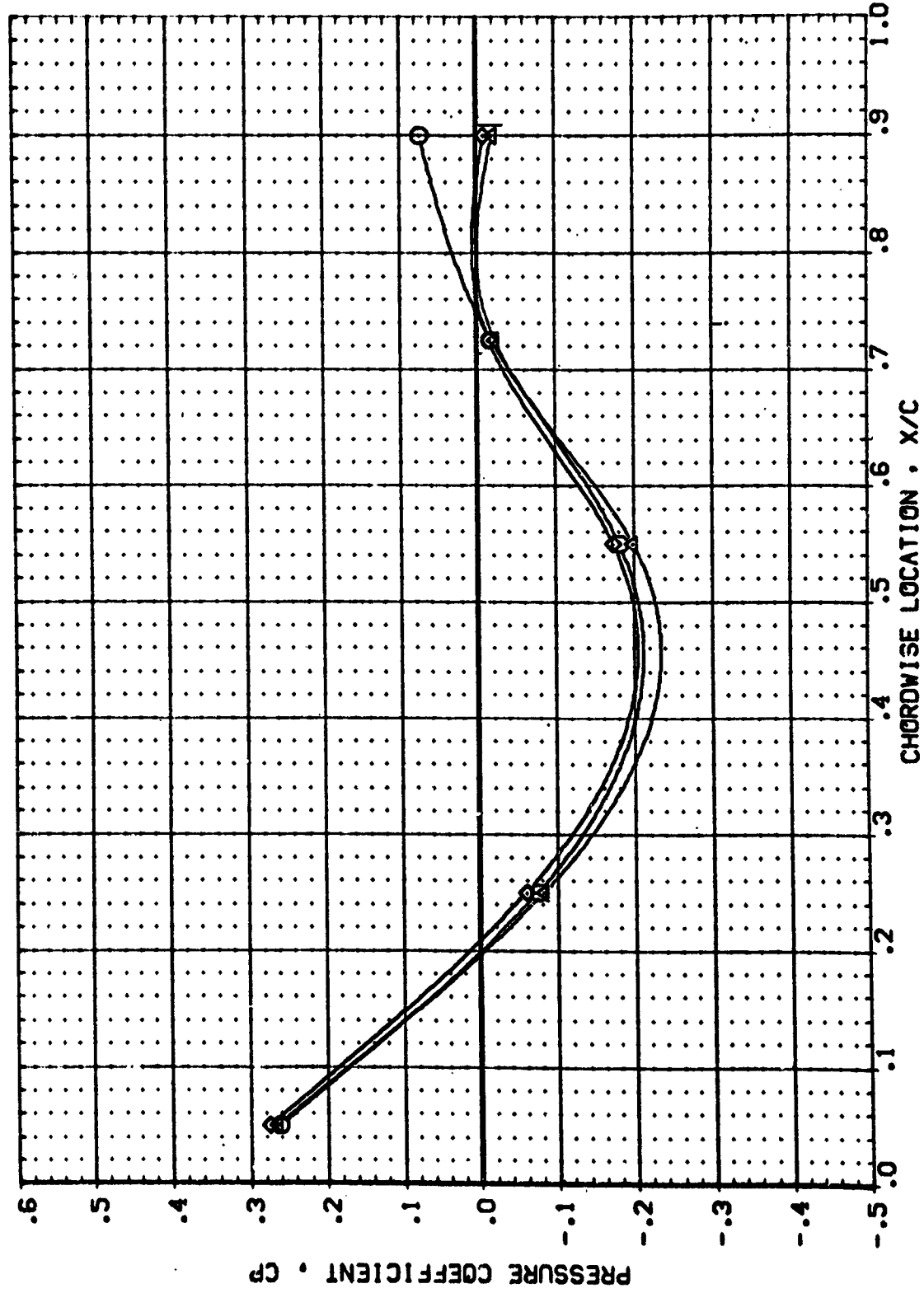
MACH = 1.550 ALPHA = -7.970 ETA = .427 PAGE 182

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RST132)	ARC 97-710 IAI28 OI T1 SI (TOP VING)
(RST143)	ARC 97-710 IAI28 OI T1 SI (TOP VING)
(RST144)	ARC 97-710 IAI28 OI T1 SI (TOP VING)
(RST147)	ARC 97-710 IAI28 OI T1 SI (TOP VING)

POWER OPR SMPR GIMBAL

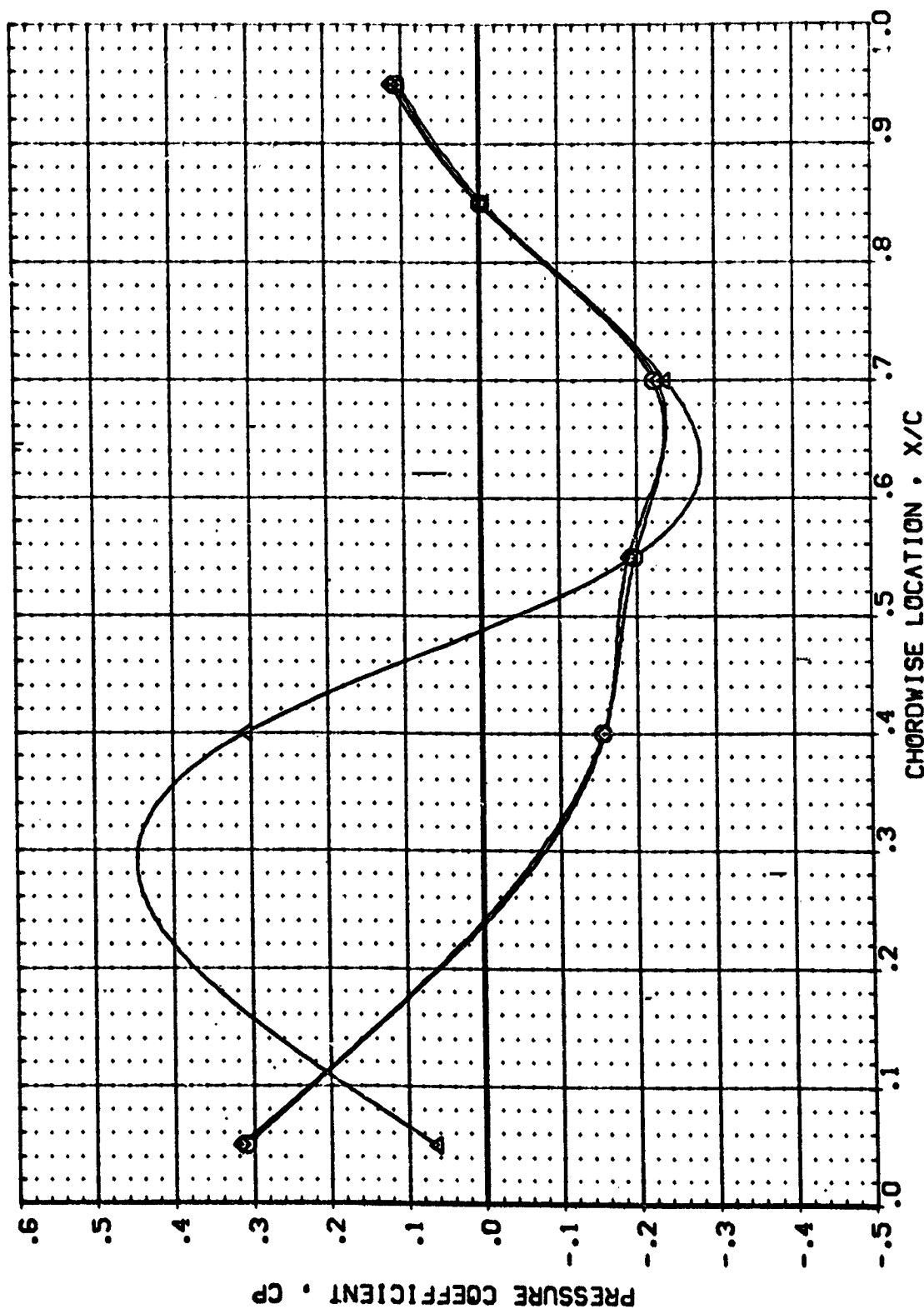
POWER	OPR	SMPR	GIMBAL
.000	.433	.469	1.000
1.000	.433	1.050	2.000
1.000	.433	1.750	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .534

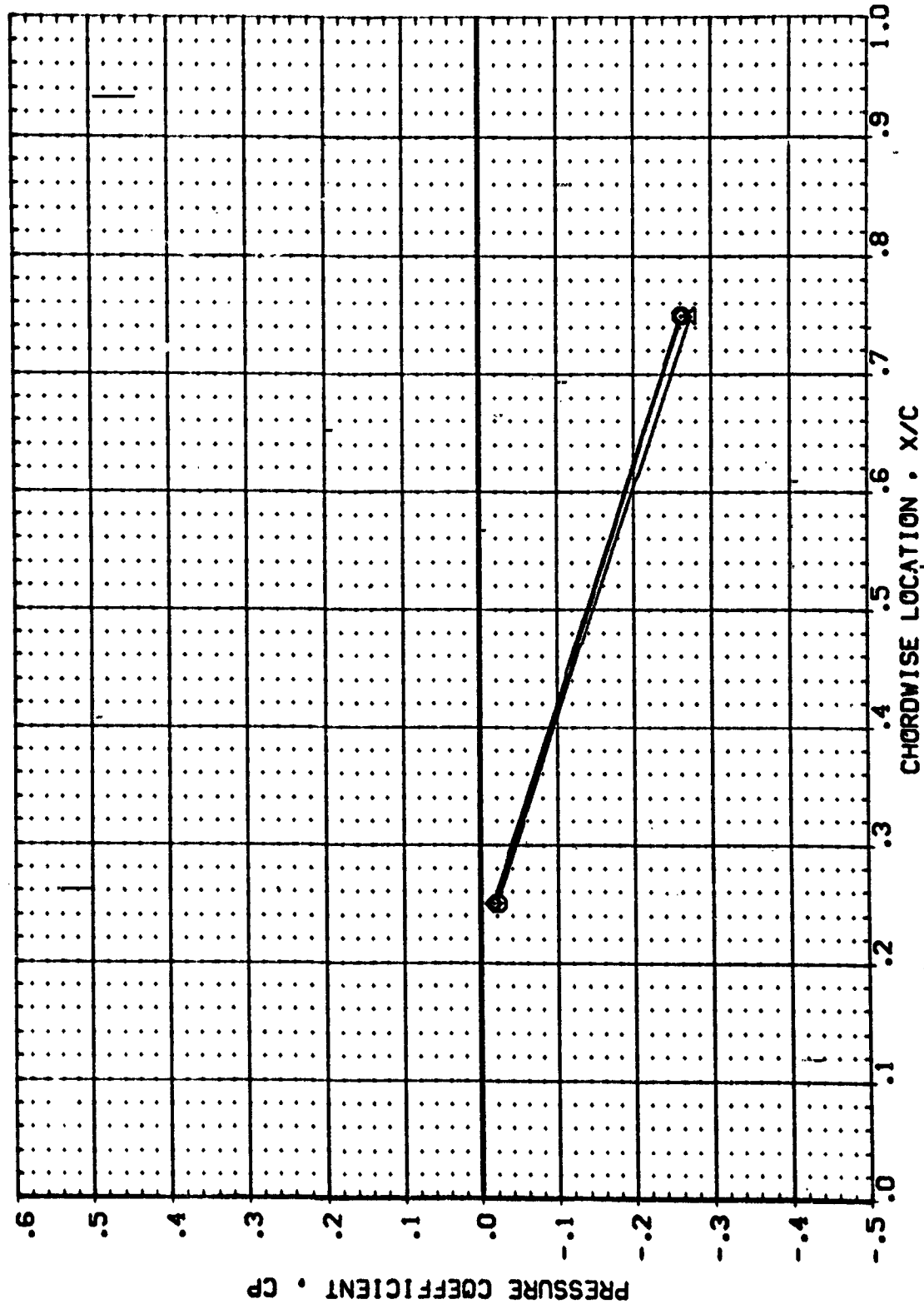
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SRMR	GINGAL
(RBT32)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	.000	.433	.469	1.000
(RBT43)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RBT44)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RBT47)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	1.000	.433	1.750	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMPR	GIMBAL
(RSVT32)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.433	.469	1.000
(RSVT43)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RSVT44)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.790	2.000
(RSVT47)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.790	2.000

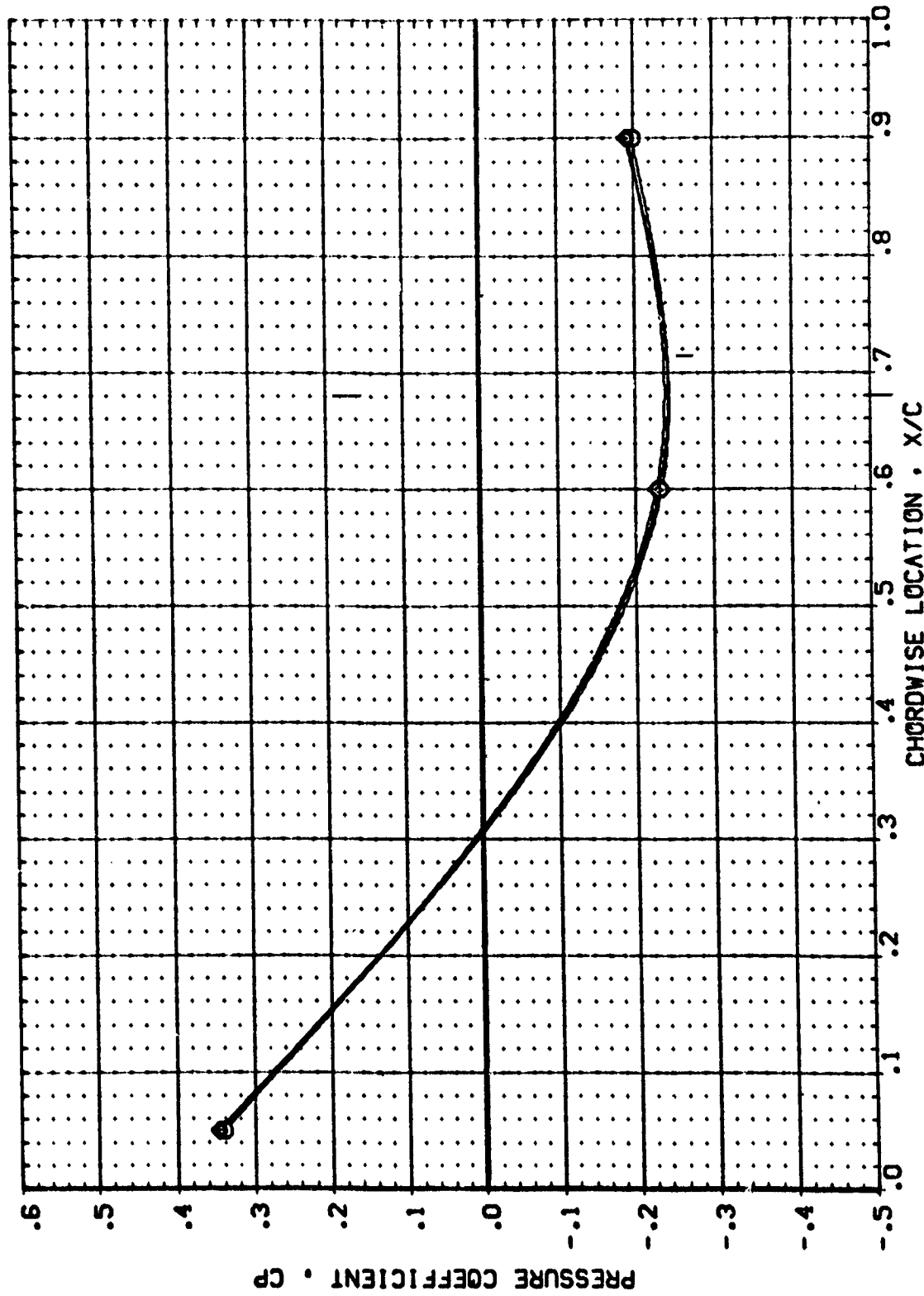


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (REV132) ARC 97-710 1A12B 01 T1 S1 (TOP VING) 11
 (REV143) ARC 97-710 1A12B 01 T1 S1 (TOP VING) 11
 (REV144) ARC 97-710 1A12B 01 T1 S1 (TOP VING) 11
 (REV147) ARC 97-710 1A12B 01 T1 S1 (TOP VING) 11

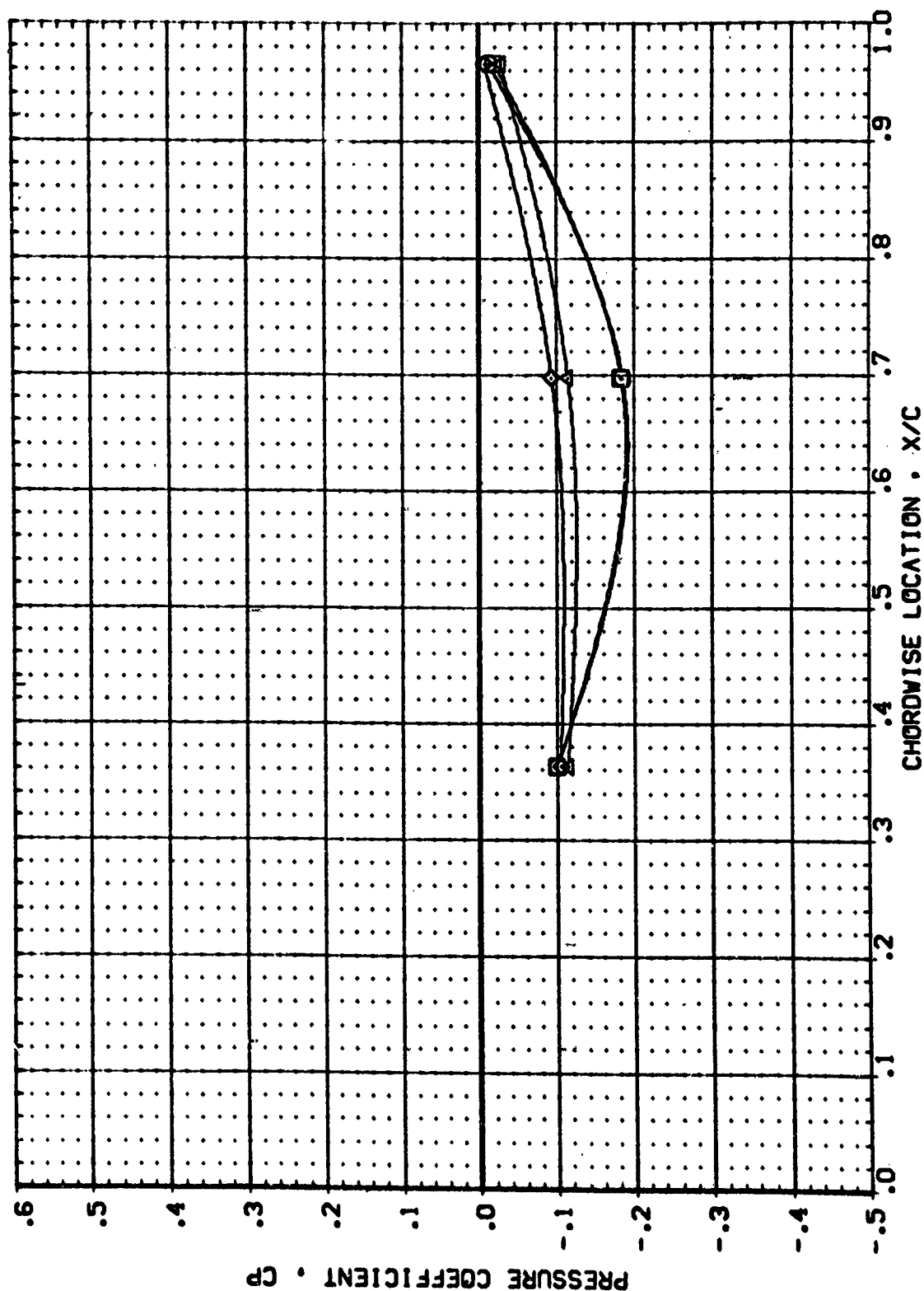
POWER OPR SRMPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .887 PAGE 186

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNRPR	GINBAL
(RBT32)	□	ARC 97-710 IAI28 OI TI SI (TOP VING)	.000	.433		1.000
(RBT43)	□	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.433	.469	2.000
(RBT44)	□	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.433	1.050	2.000
(RBT47)	□	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.433	1.790	2.000



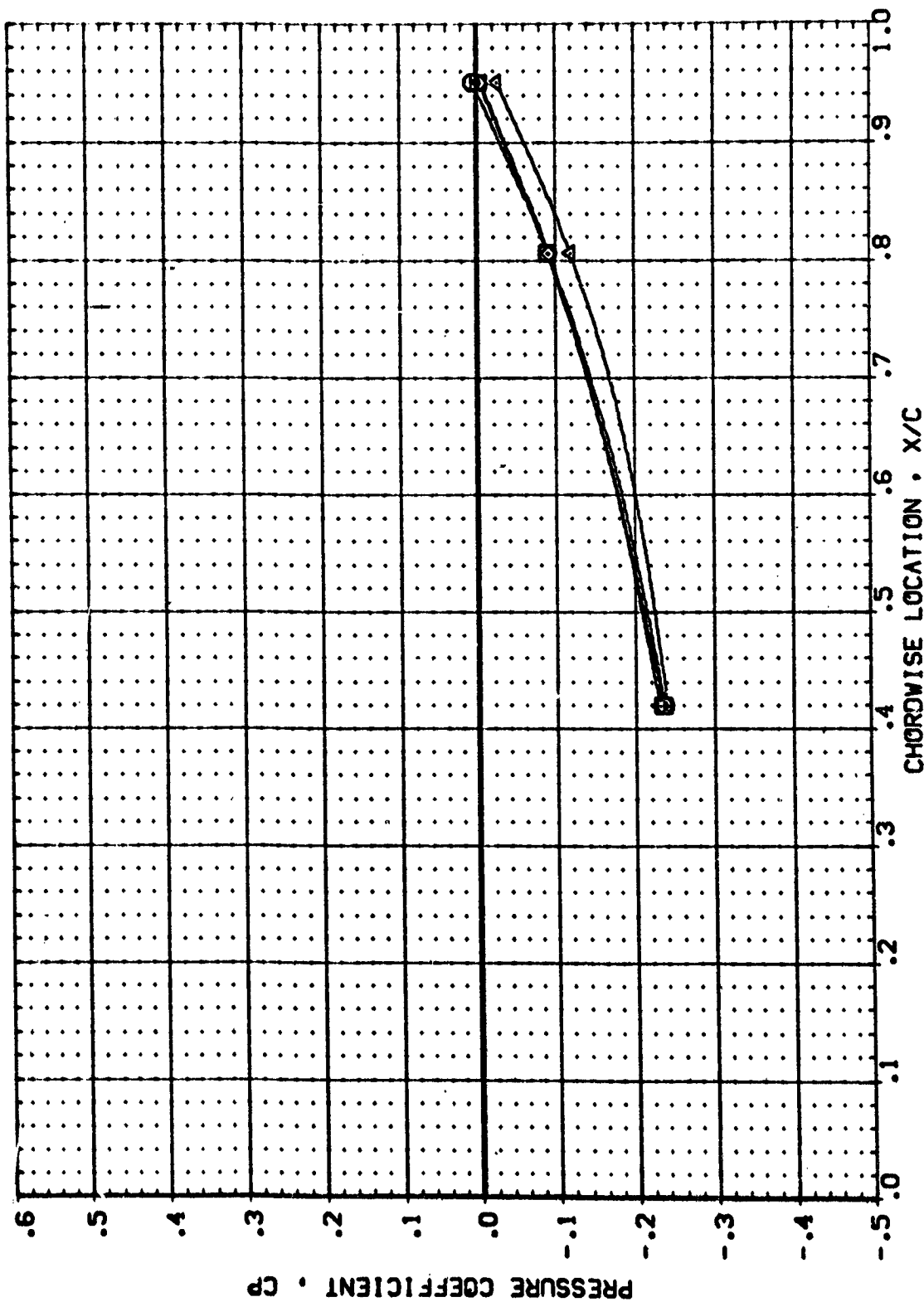
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT32) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBVT43) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBVT44) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBVT47) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

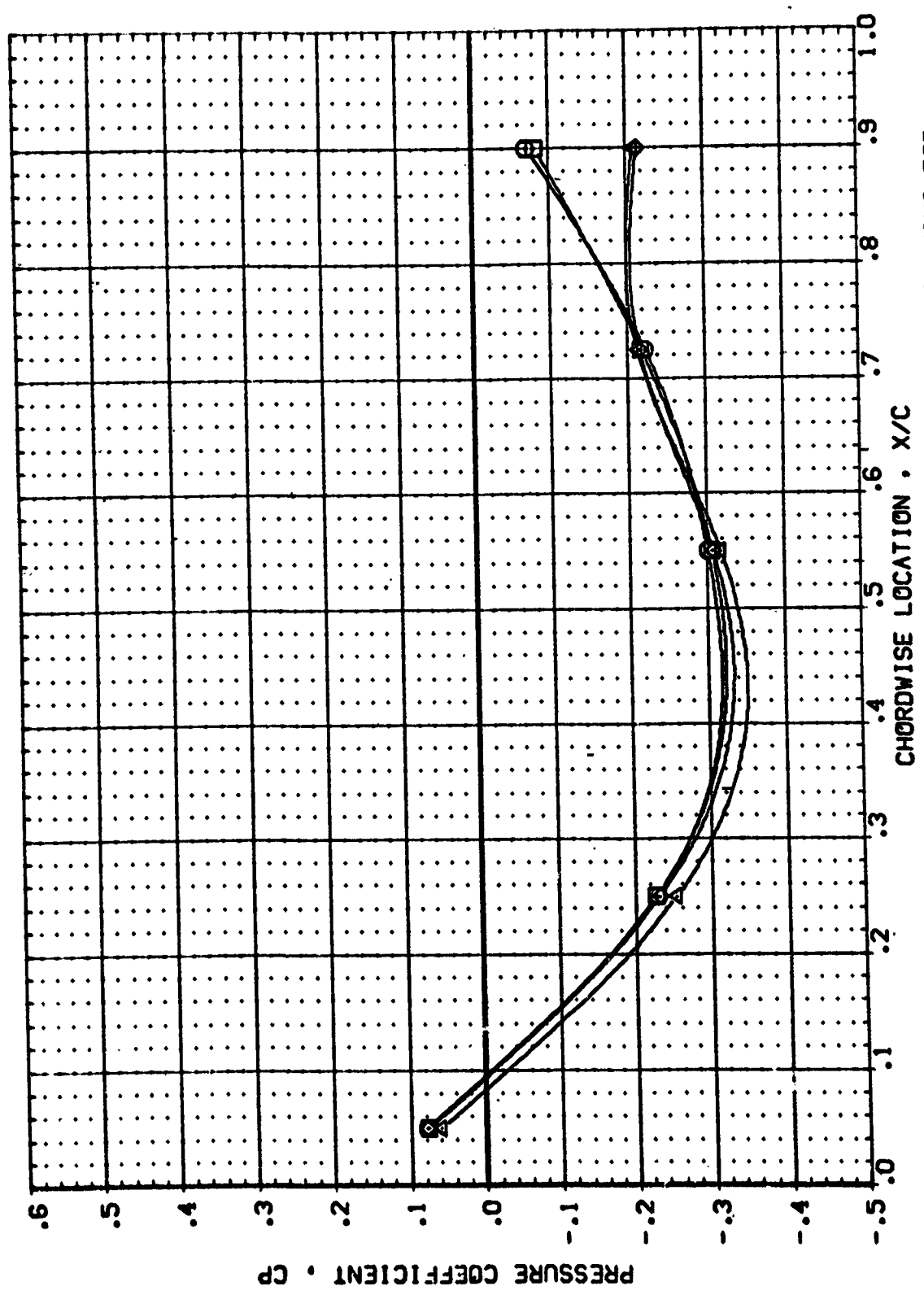
POWER OPR SWPR GIMBAL
 .000 .433 1.000 1.000
 1.000 .433 1.000 2.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

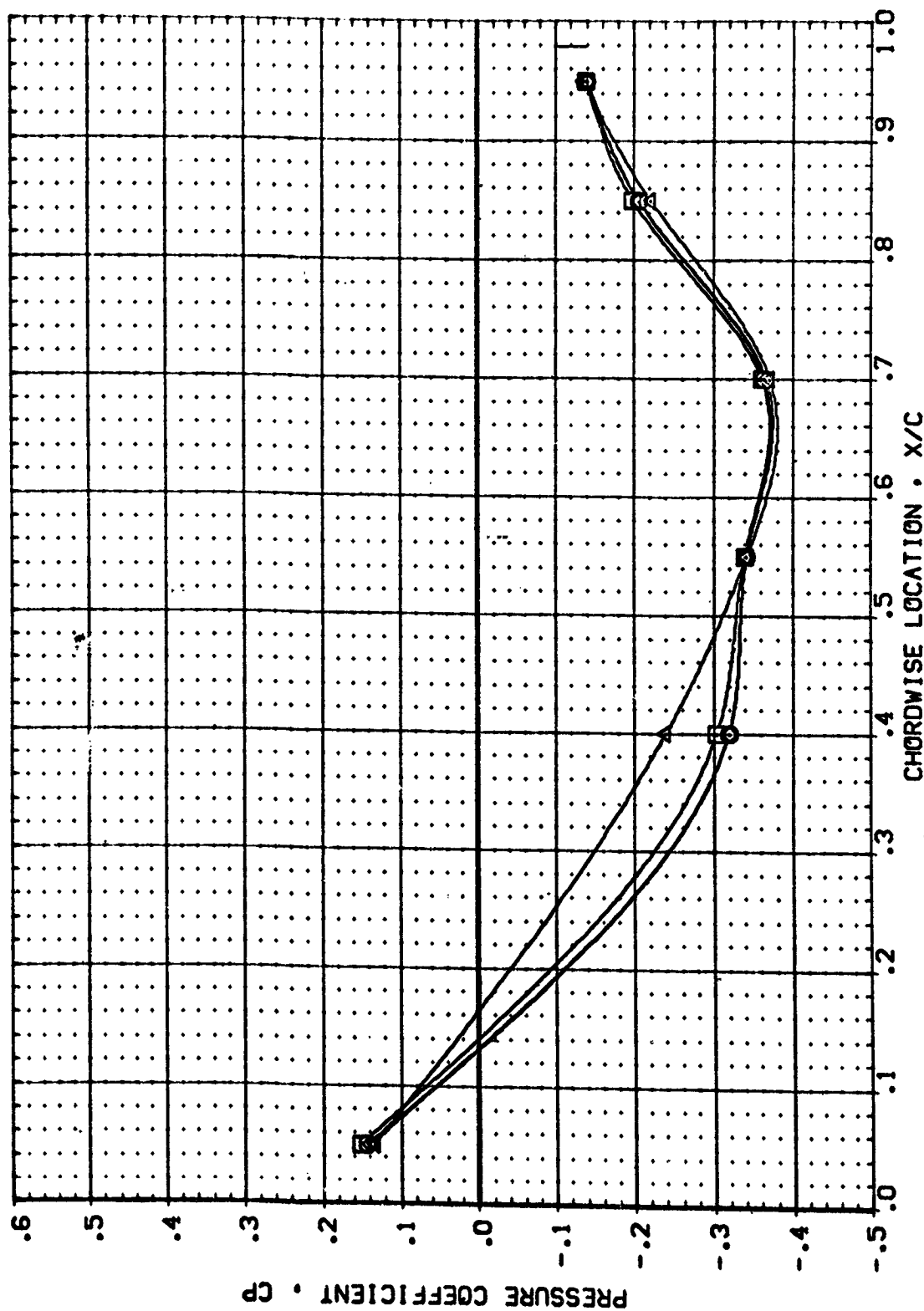
MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYMBL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(RBVT32)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	.000	.433	.469	1.000
(RBVT43)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.433	1.050	2.000
(RBVT44)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.433	1.750	2.000
(RBVT47)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.433	1.750	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	QFR	SRPR	GIMBAL
(RBV737)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.433	.469	1.000
(RBV737)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RBV747)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.433	1.750	2.000



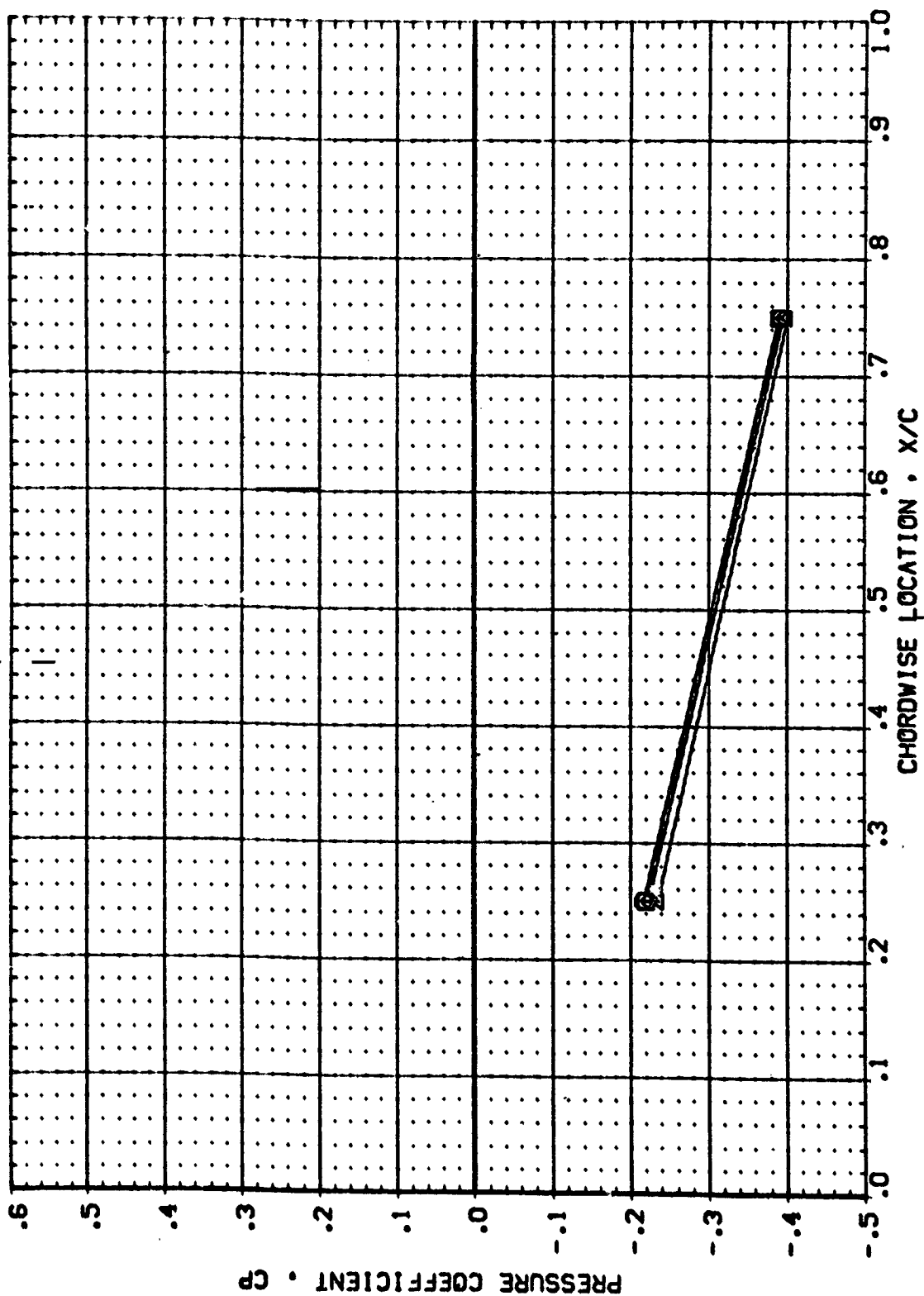
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .673

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT32) ARC 97-710 [A128 O1 T1 S1 (TOP WING)]
 (RBVT43) ARC 97-710 [A128 O1 T1 S1 (TOP WING)]
 (RBVT44) ARC 97-710 [A128 O1 T1 S1 (TOP WING)]
 (RBVT47) ARC 97-710 [A128 O1 T1 S1 (TOP WING)]

POWER DCR SWPR GINBAL
 .000 .433 .463 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



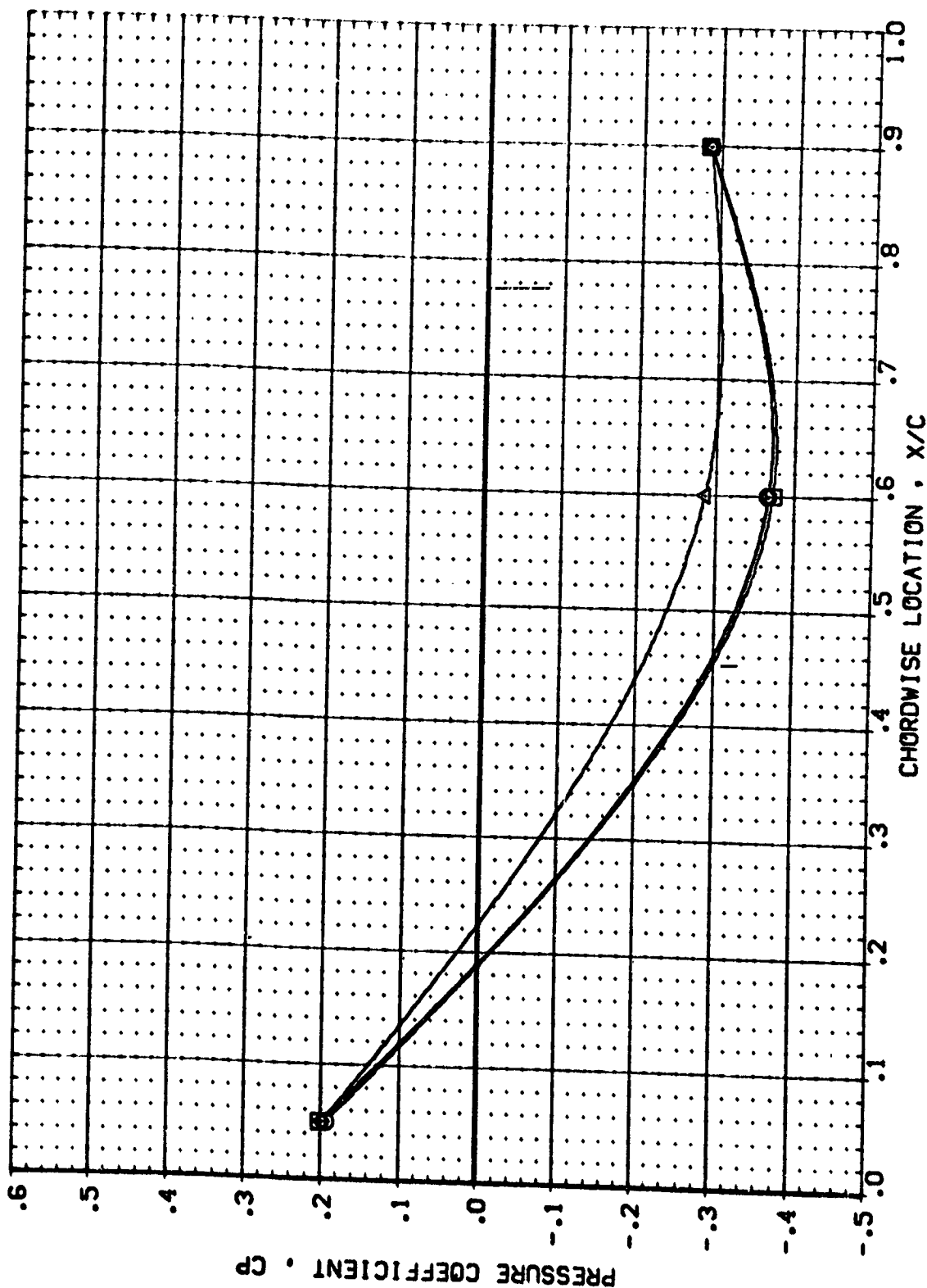
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RSV132) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RSV143) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RSV144) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RSV147) ARC 97-710 1A128 01 T1 S1 (TOP VING) II

POWER DPR SHPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.790 2.000



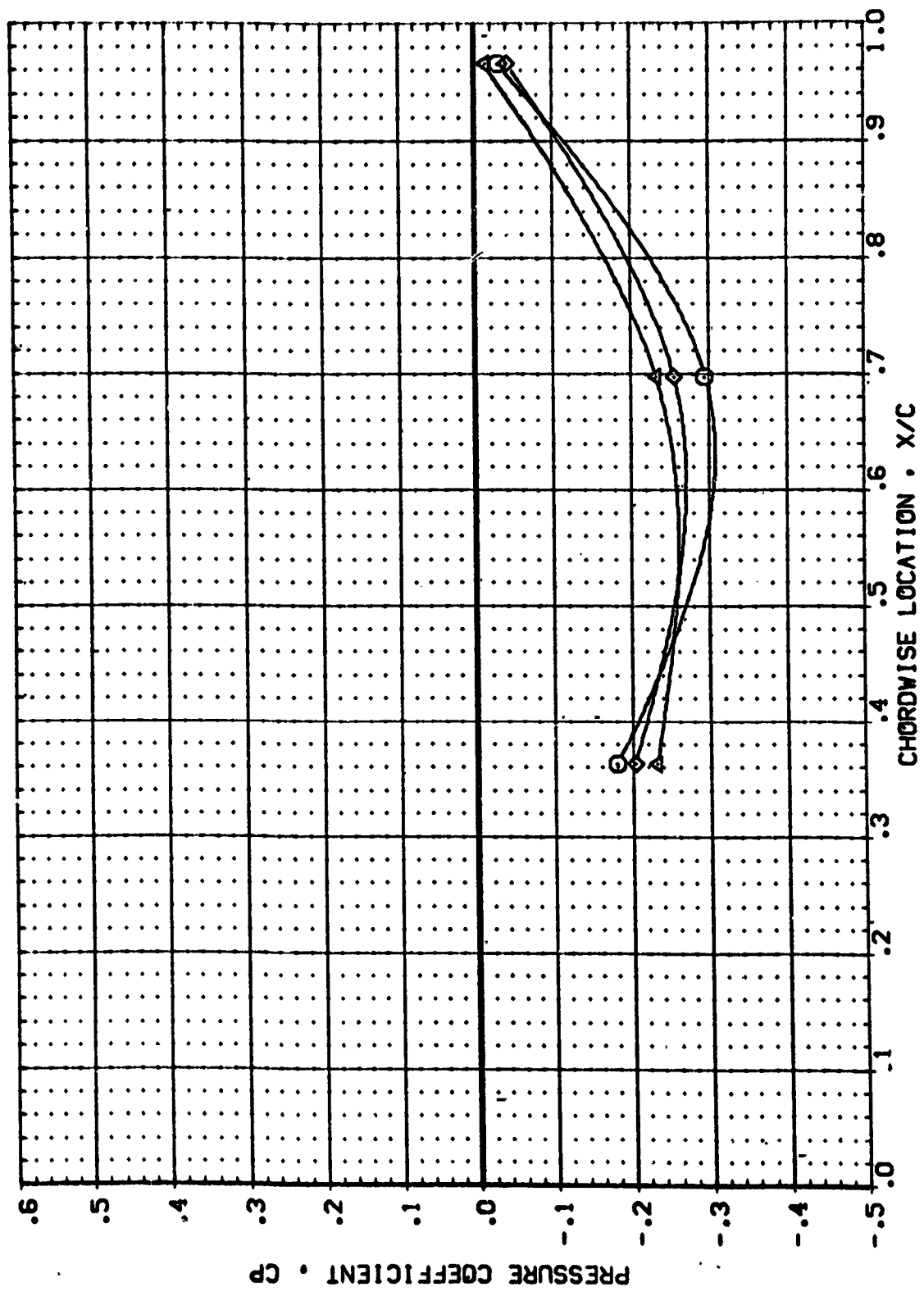
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION

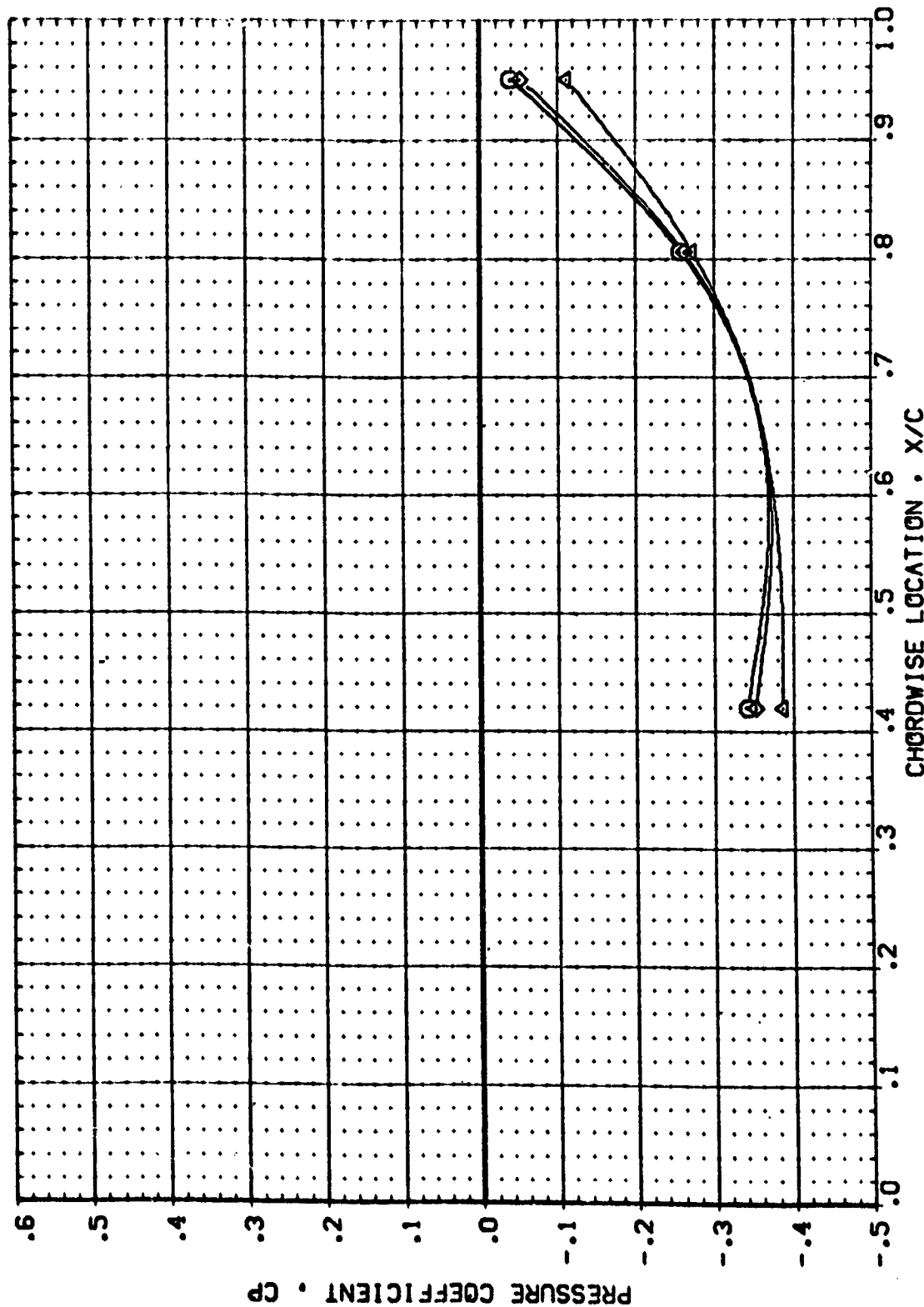
(RBVT32) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT43) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT44) ARC 97-710 [A128 01 T1 S1 (TOP VING)]
 (RBVT47) ARC 97-710 [A128 01 T1 S1 (TOP VING)]

POWER C/P SR/PR GINBAL
 .000 .433 1.000
 1.000 .469 2.000
 1.000 1.050 2.000
 1.000 1.790 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

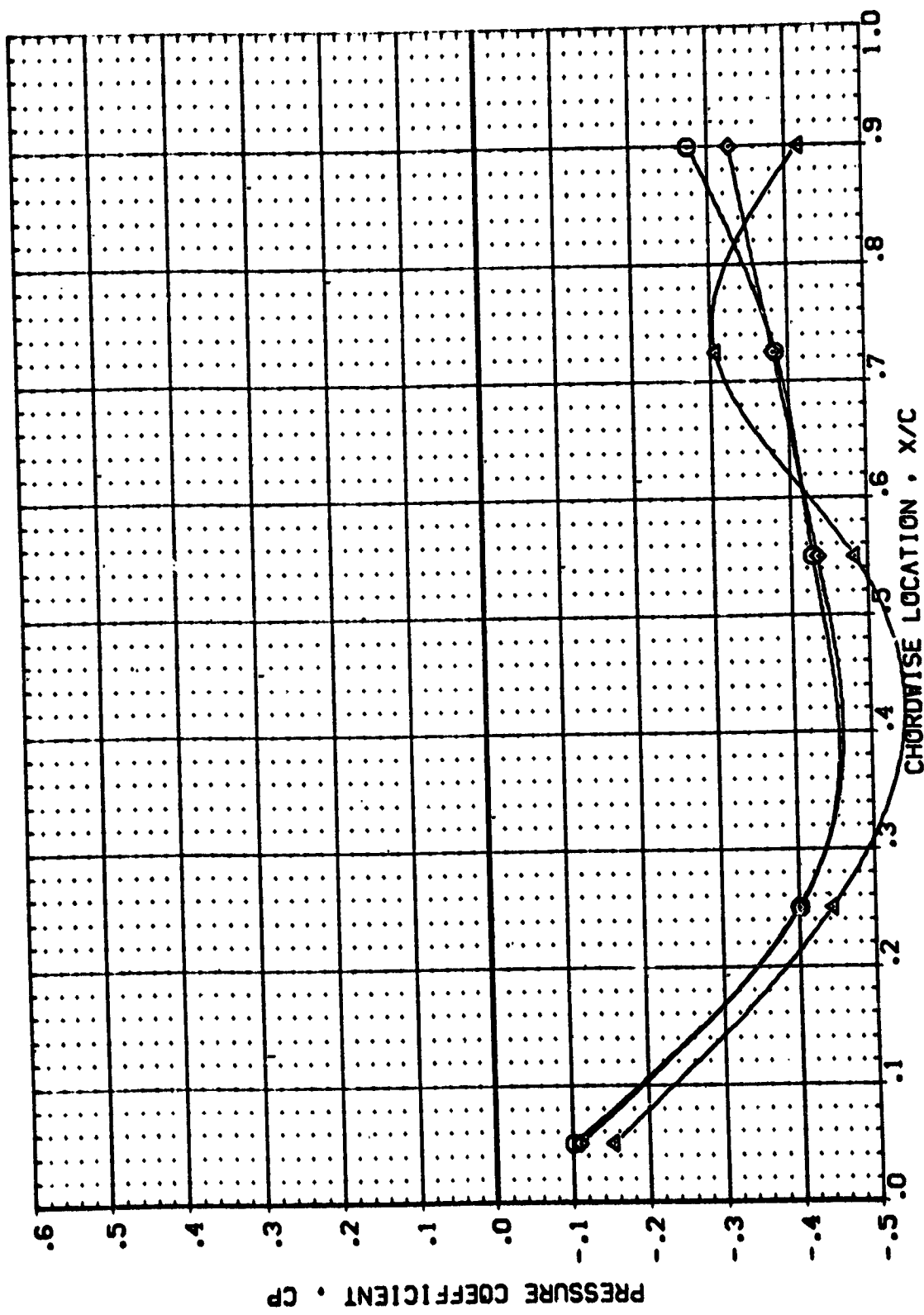
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(RSVT32)	ARC 97-710 (A128 01) T1 S1 (TOP VING)	.000	.433	.469	1.000
(RSVT43)	ARC 97-710 (A128 01) T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RSVT44)	ARC 97-710 (A128 01) T1 S1 (TOP VING)	1.000	.433	1.050	2.000
(RSVT47)	ARC 97-710 (A128 01) T1 S1 (TOP VING)	1.000	.433	1.050	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GINBAL
(RBVT32)	□	ARC 97-710 IAI28 OI TI SI (TOP WING)	.000	.433	.469	1.000
(RBVT43)	□	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.433	1.050	2.000
(RBVT44)	□	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.433	1.750	2.000
(RBVT47)	□	ARC 97-710 IAI28 OI TI SI (TOP WING)	1.000	.433	1.750	2.000



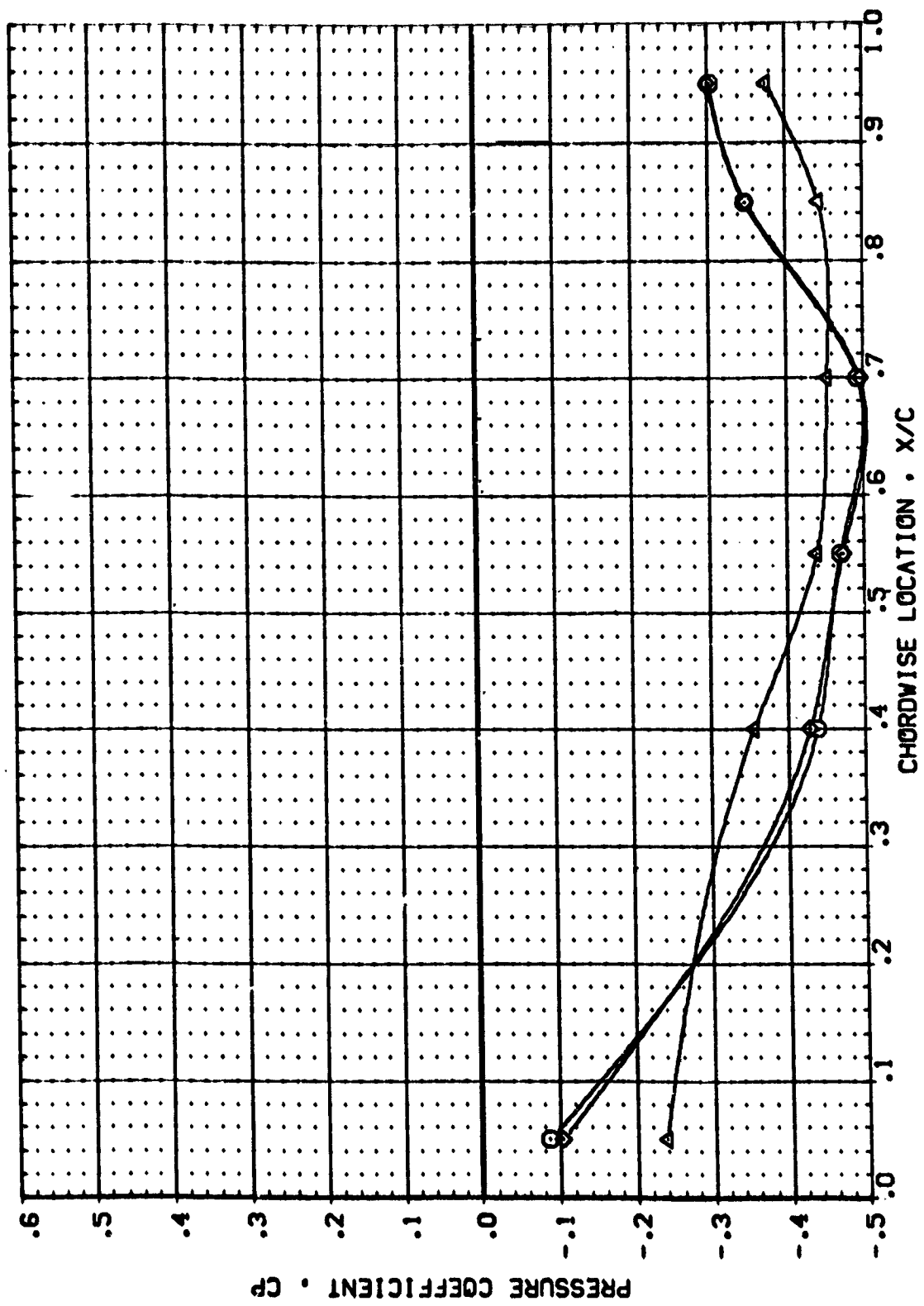
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

	ARC 97-710	AI28	CI	TI	SI	(TOP WING)
(RBV732)						
(RBV743)						
(RBV744)						
(RBV747)						

POWER CDR SPRR GIMBAL

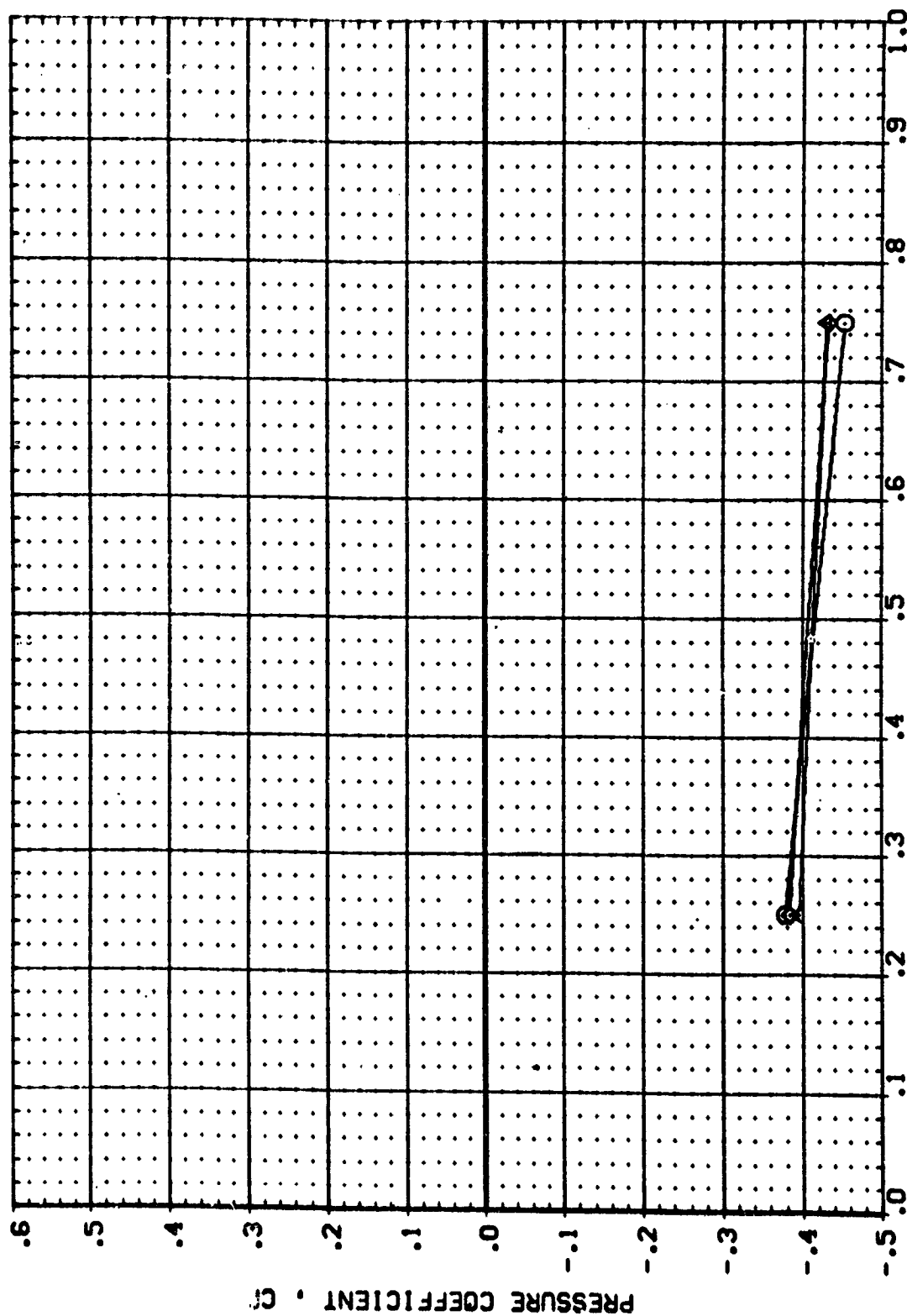
	POWER	CDR	SPRR	GIMBAL
(RBV732)	.000	.433	.469	1.000
(RBV743)	1.000	.433	1.050	2.000
(RBV744)	1.000	.433	1.790	2.000
(RBV747)	1.000	.433	1.790	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .673 PAGE 196

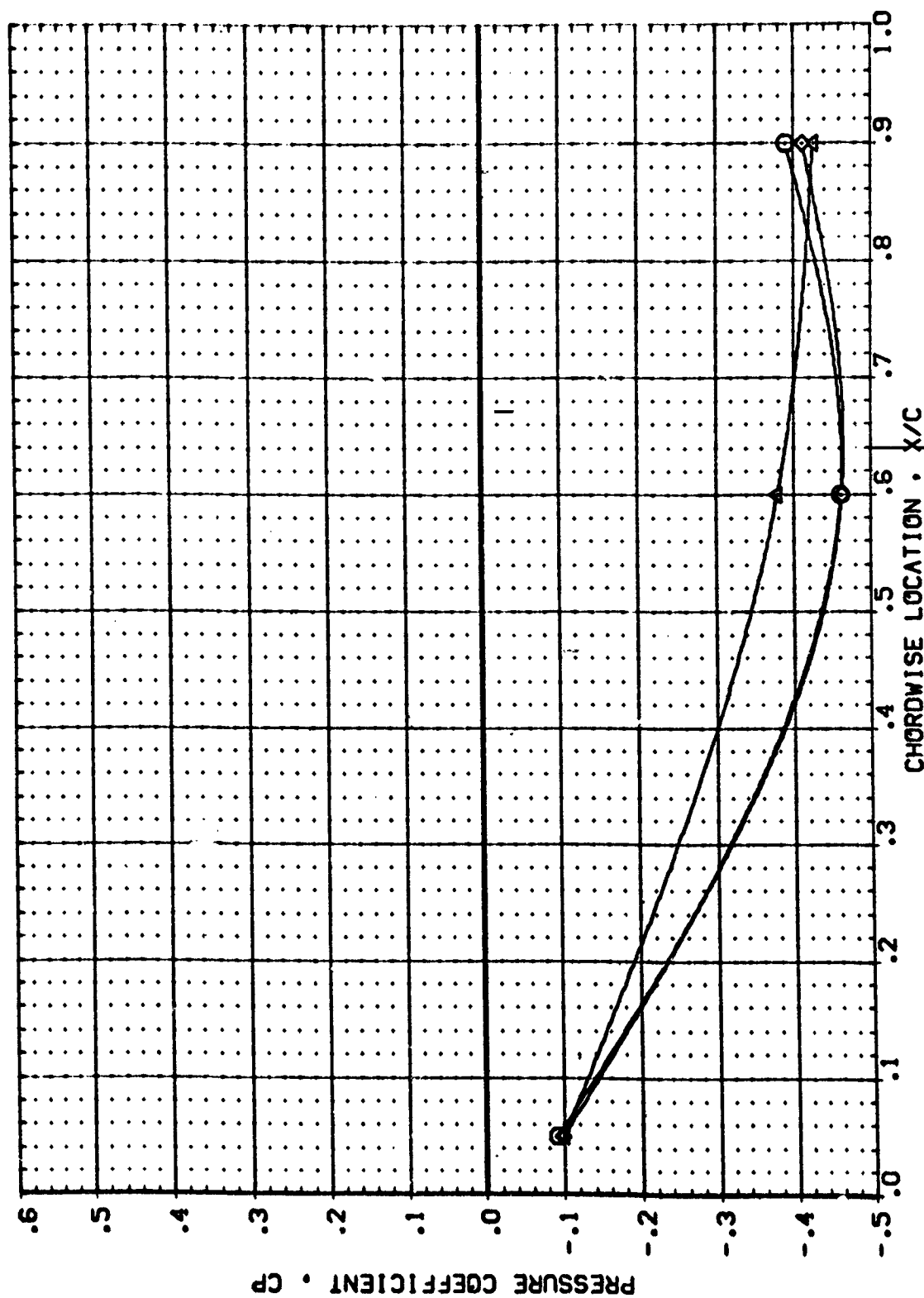
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GIMBAL
(RBVT32)	□	ARC 97-710 [A]28 OI T1 S1 (TOP WING)	.000	.433	.469	1.000
(RBVT43)	□	ARC 97-710 [A]28 OI T1 S1 (TOP WING)	1.000	.433	1.050	2.000
(RBVT44)	□	ARC 97-710 [A]28 OI T1 S1 (TOP WING)	1.000	.433	1.790	2.000
(RBVT47)	□	ARC 97-710 [A]28 OI T1 S1 (TOP WING)	1.000	.433	1.790	2.000



CHORDWISE LOCATION · X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMR	GINBAL
(RBV132)	ARC 97-710 (AI28 OI TI SI (TOP VING))	.000	.433	.469	1.000
(RBV143)	ARC 97-710 (AI28 OI TI SI (TOP VING))	1.000	.433	1.050	2.000
(RBV144)	ARC 97-710 (AI28 OI TI SI (TOP VING))	1.000	.433	1.750	2.000
(RBV147)	ARC 97-710 (AI28 OI TI SI (TOP VING))	1.000	.433	1.750	2.000

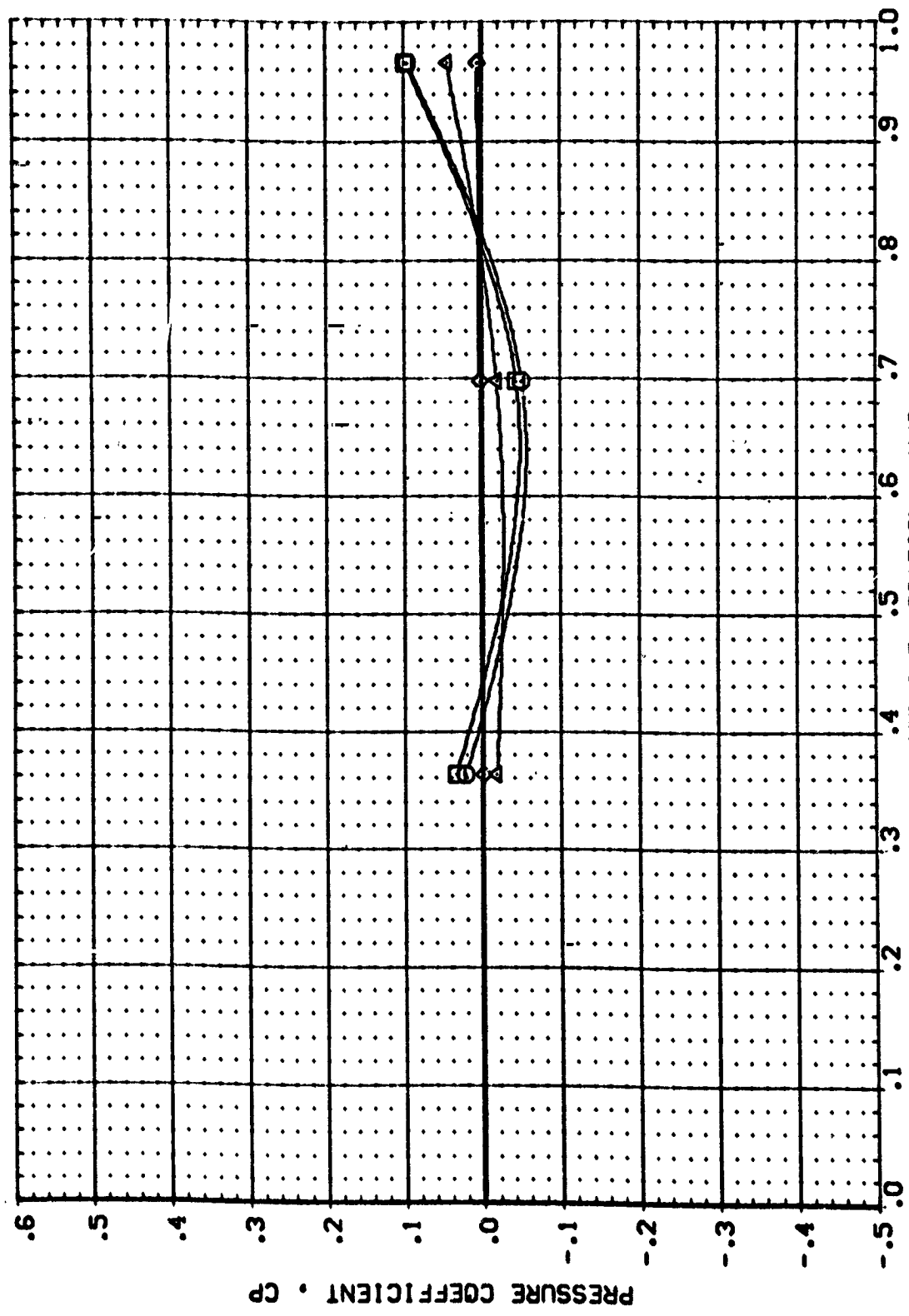


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .887

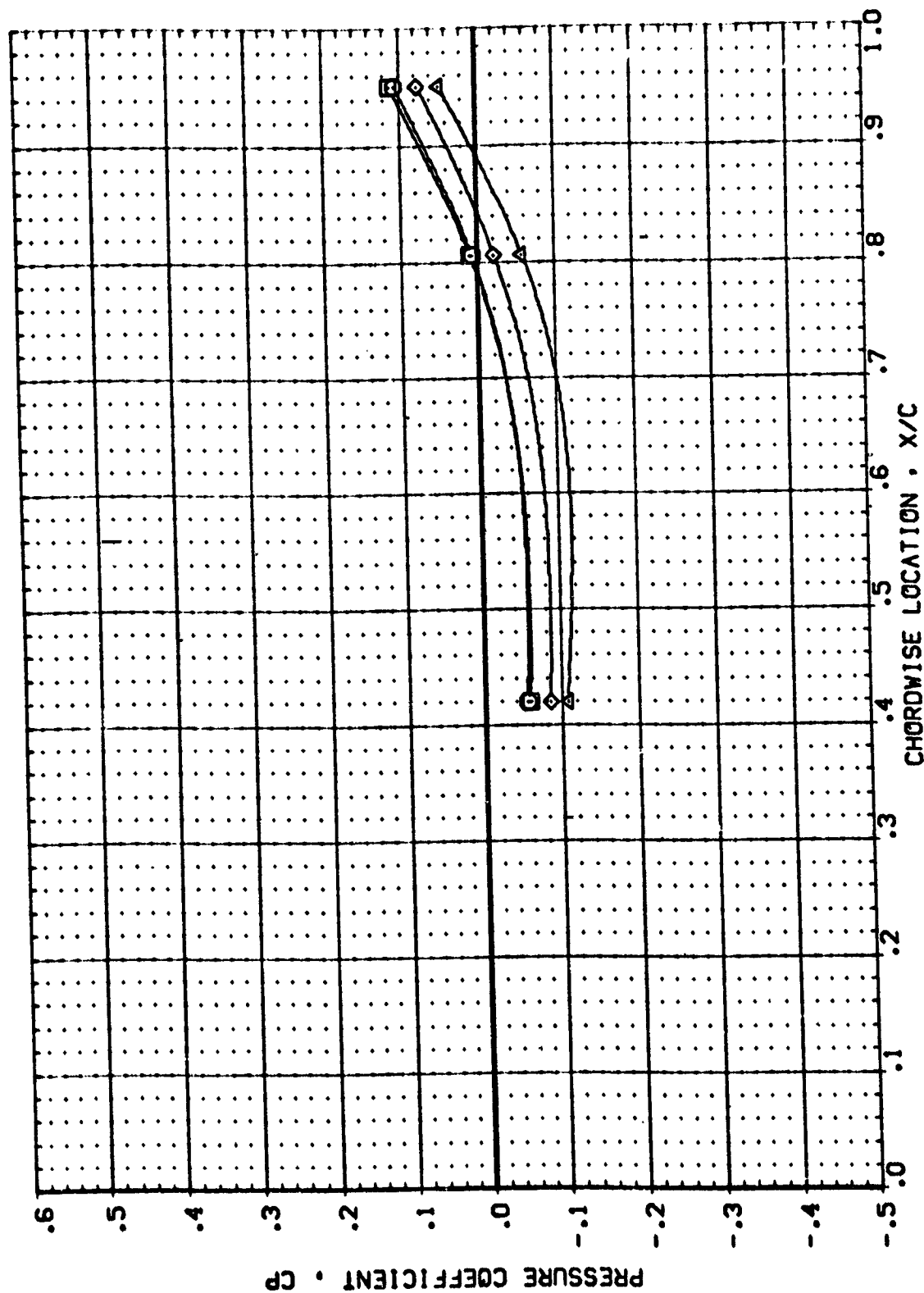
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R9V124) ARC 97-710 IAI28 OI TI SI (TOP VING) II
 (R9V140) ARC 97-710 IAI28 OI TI SI (TOP VING) II
 (R9V148) ARC 97-710 IAI28 OI TI SI (TOP VING) II

POWER CDR SWPR GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000



CHORDWISE LOCATION · X/C
 PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

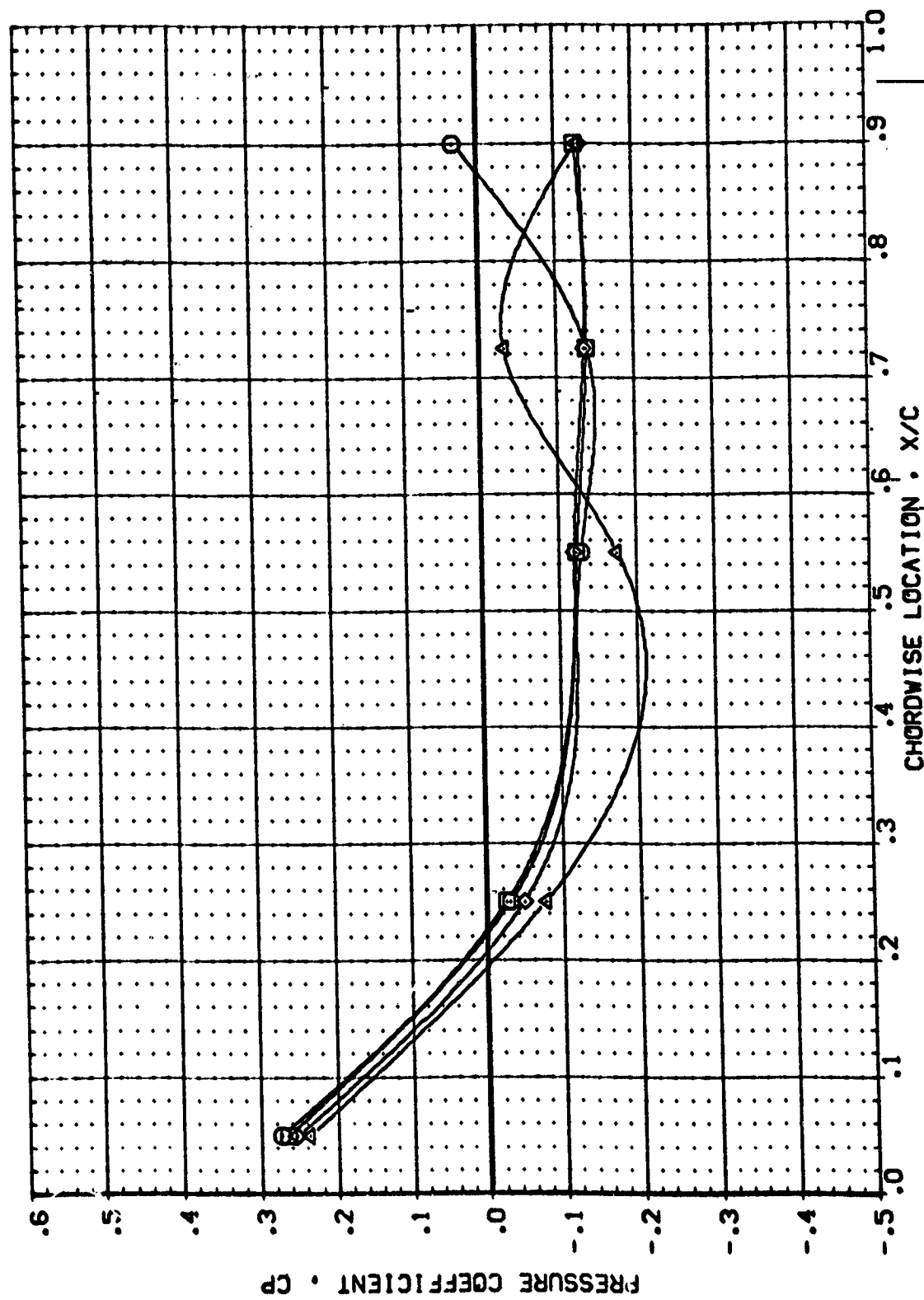
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SOPR	GIMBAL
(RBYT34)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000	.409	.557	1.000
(RBYT43)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.245	2.000
(RBYT49)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	2.000
(RBYT48)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .427

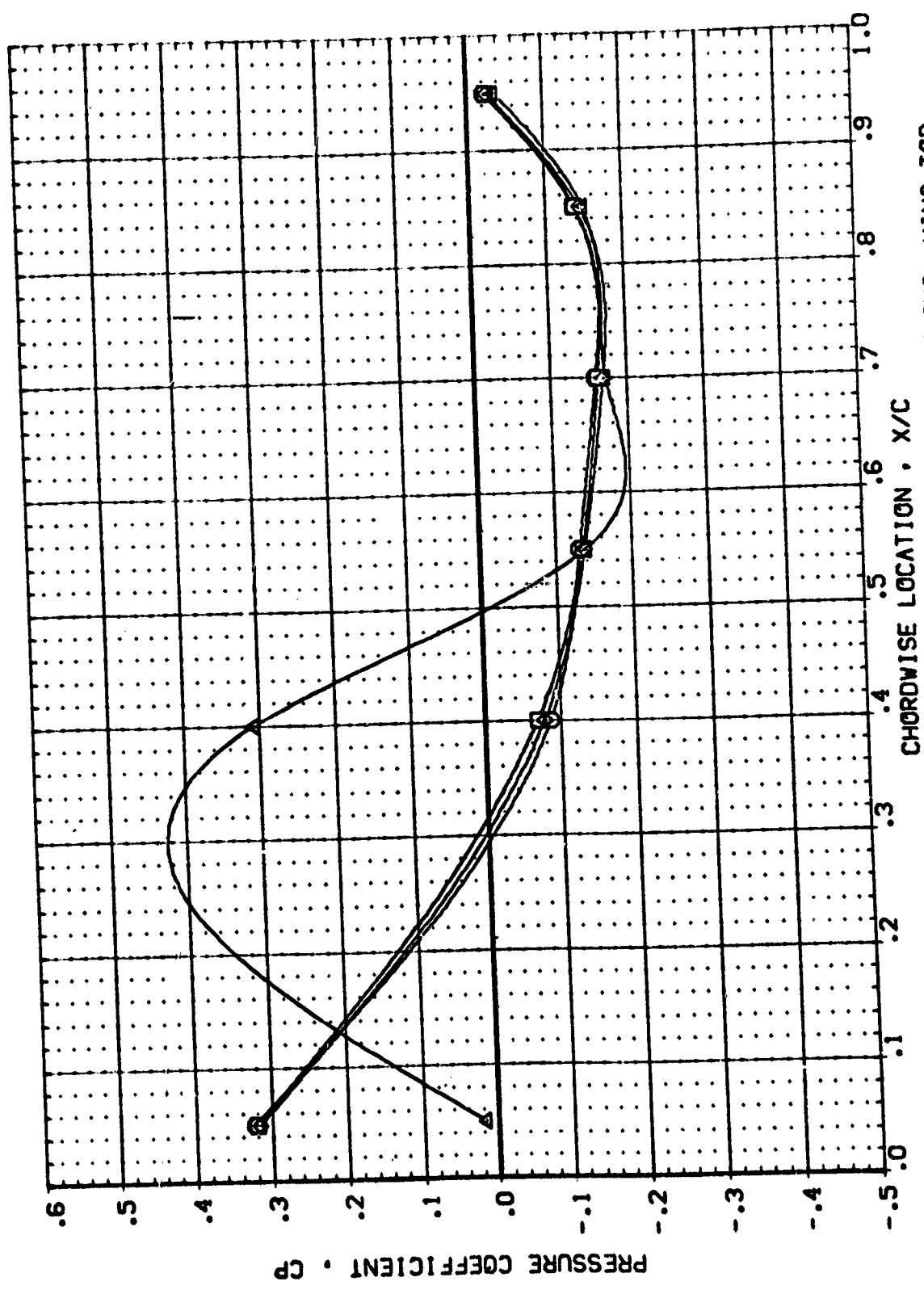
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RBV134)	ARC 97-710 IAI28 OI TI SI (TOP VING)	.000	.409	.557	1.000
(RBV140)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	1.245	2.000
(RBV141)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	1.245	2.000
(RBV149)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RBVT34)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000	.409	.557	1.000
(RBVT40)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	1.245	2.000
(RBVT49)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	2.128	2.000
(RBVT48)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	2.128	2.000

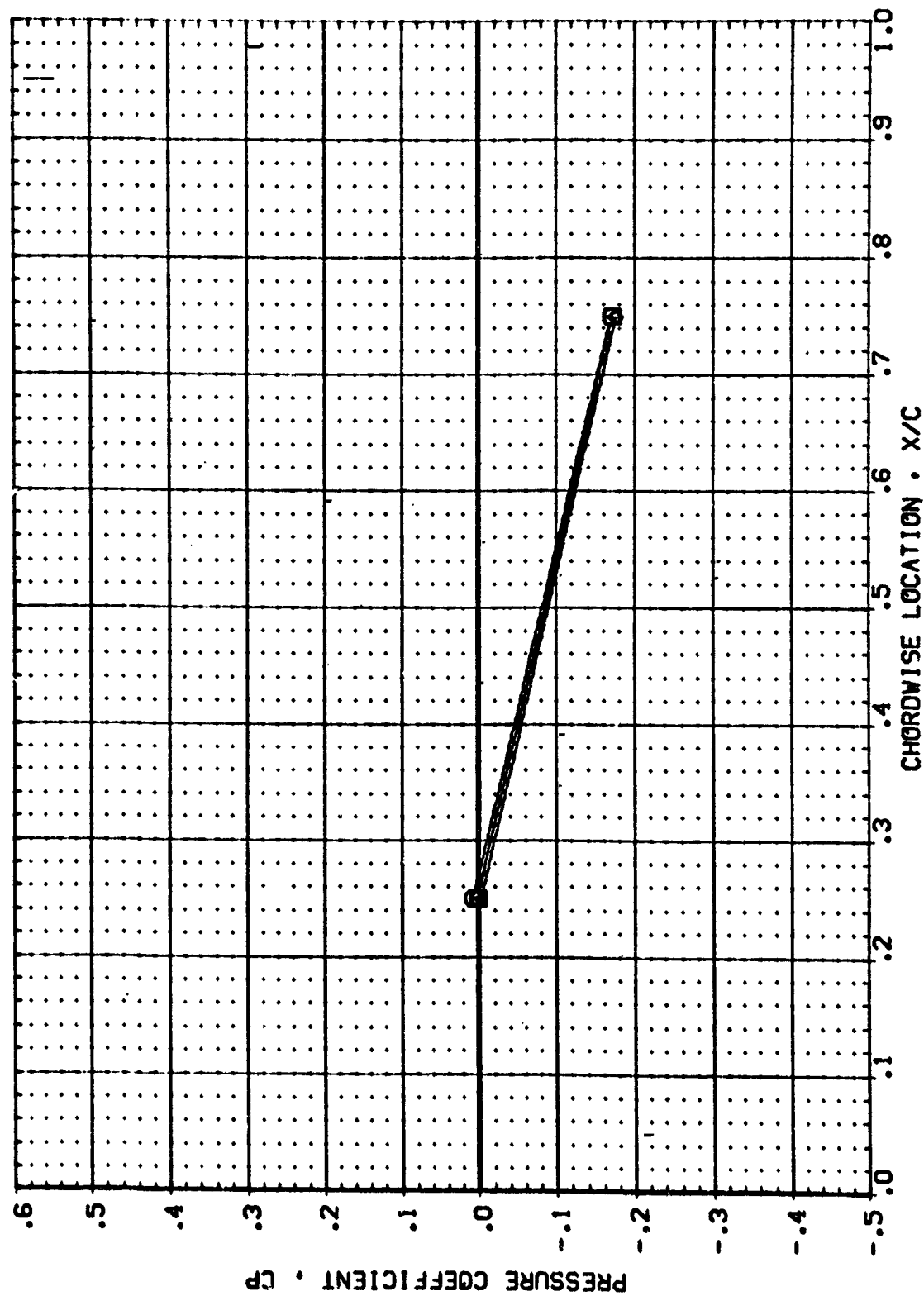


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .673

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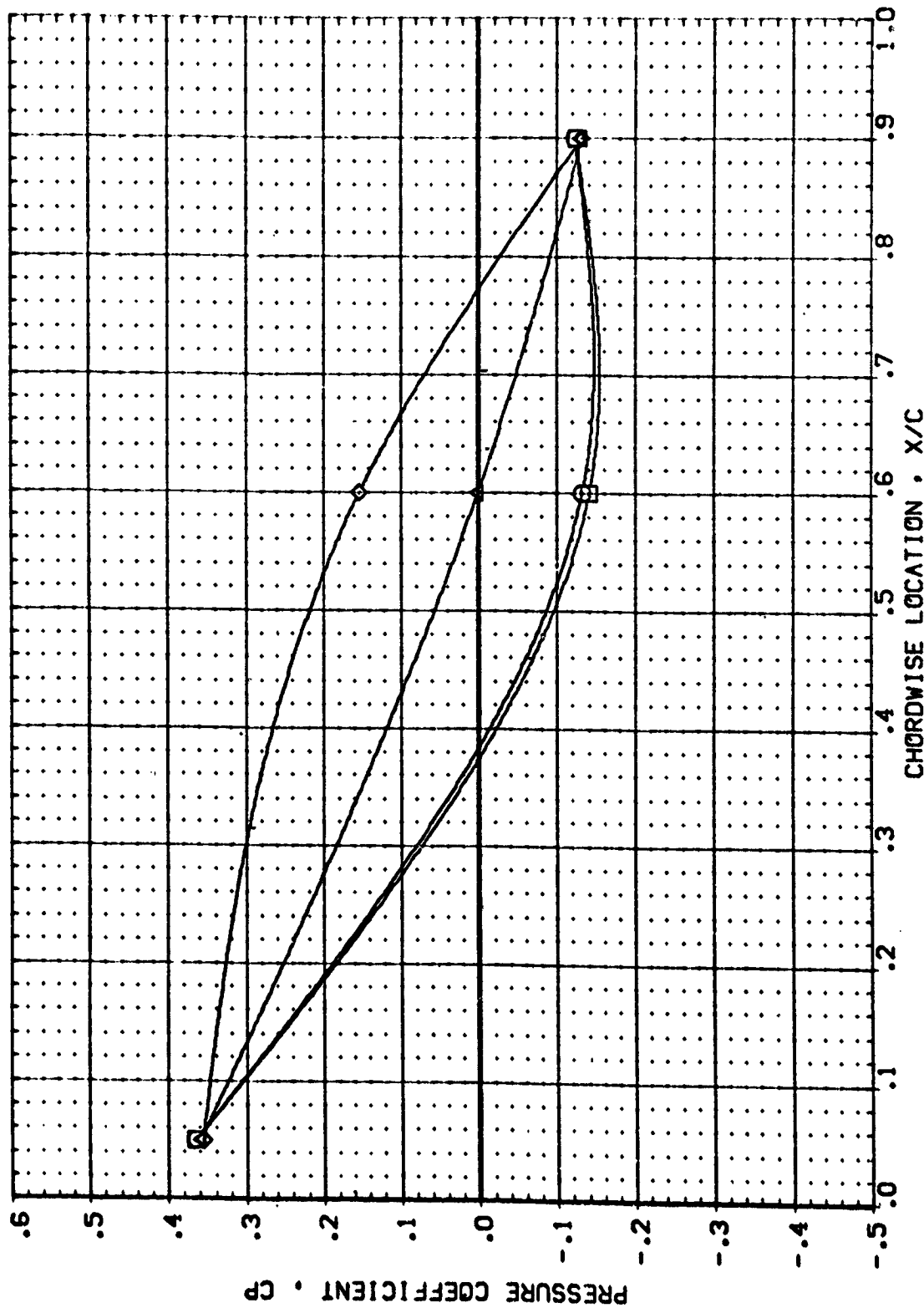
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RBVT34)	□	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000	.409	.557	1.000
(RBVT40)	□	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.409	1.245	2.000
(RBVT49)	□	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.409	2.128	2.000
(RBVT48)	□	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNMPR	GIMBAL
(R8V134)	ARC 97-710 IAI28 OI TI SI (TOP VING)	.000	.409	.557	1.000
(R8V140)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	1.245	2.000
(R8V149)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	2.128	2.000
(R8V148)	ARC 97-710 IAI28 OI TI SI (TOP VING)	1.000	.409	2.128	2.000



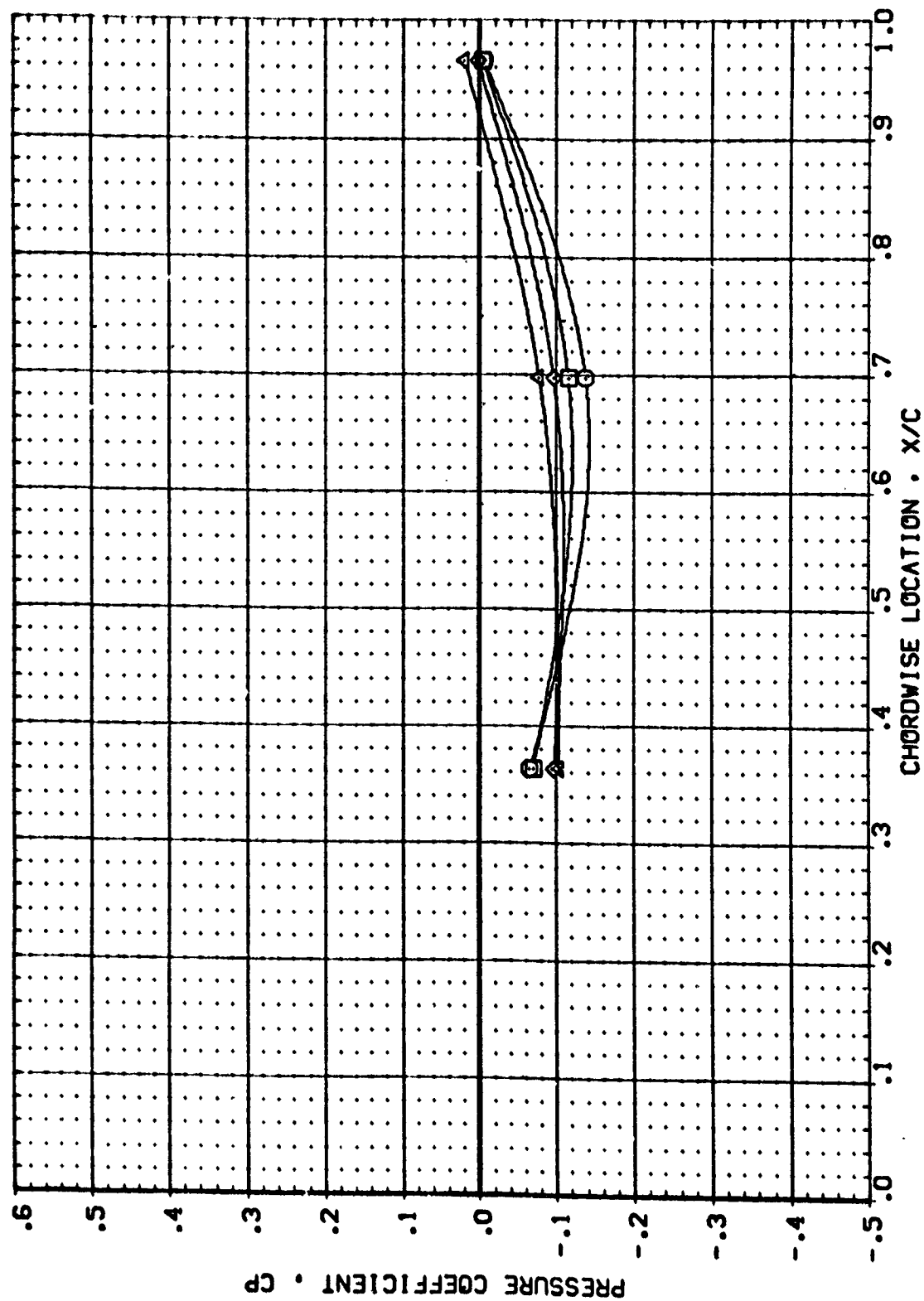
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSVT34) ARC 97-710 (A128 O1 T1 S1 (TOP VING)) II
 (RSVT40) ARC 97-710 (A128 O1 T1 S1 (TOP VING)) II
 (RSVT49) ARC 97-710 (A128 O1 T1 S1 (TOP VING)) II
 (RSVT48) ARC 97-710 (A128 O1 T1 S1 (TOP VING)) II

POWER GIMBAL
 .000 1.000
 1.000 2.000
 1.000 2.000
 1.000 2.000

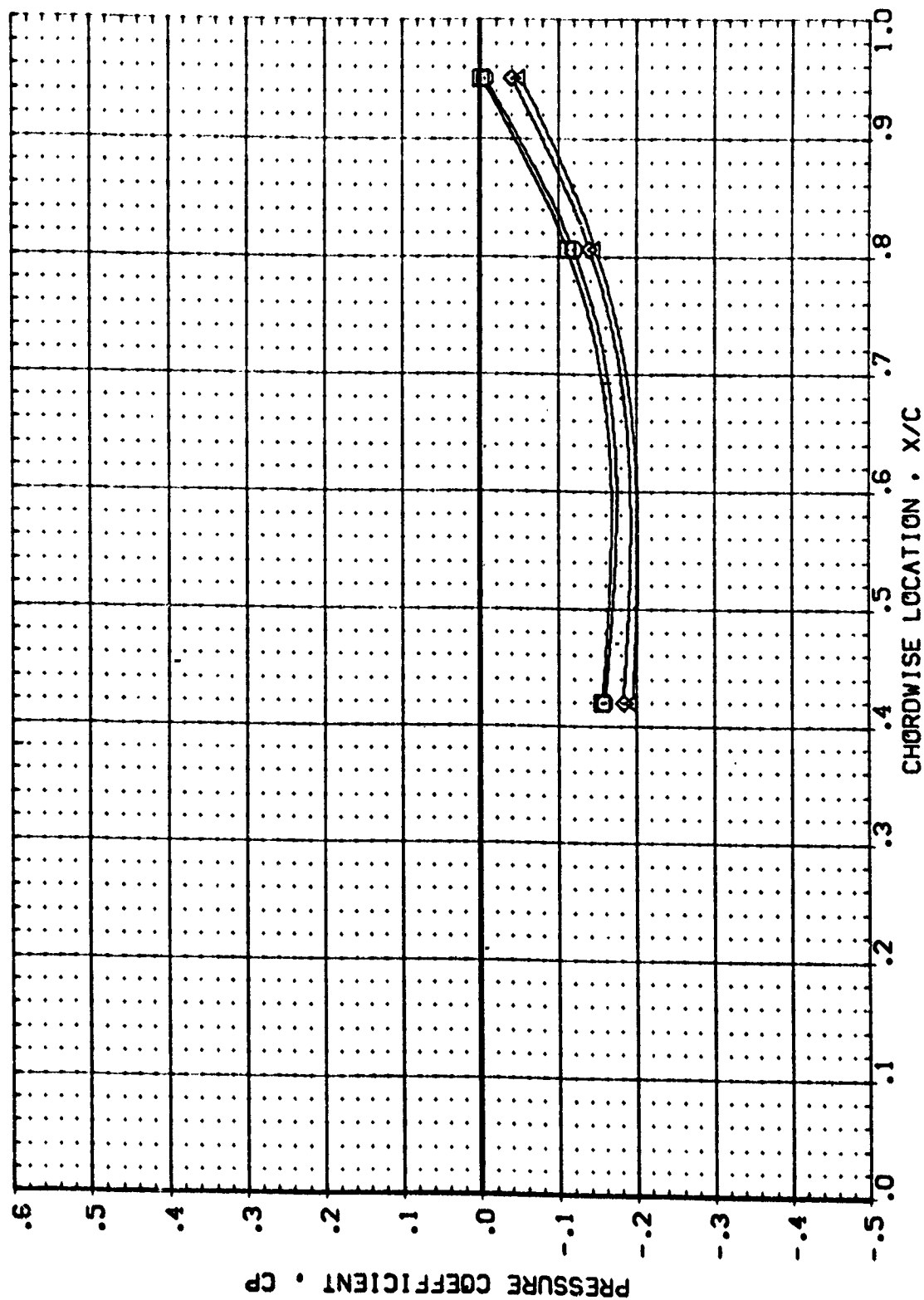
OPR SRMPR
 .409 .557
 .409 1.245
 .409 2.128



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNRPR	GRIND
(RBVT34)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	.000	.409	.557	1.000
(RBVT40)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	1.245	2.000
(RBVT45)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	2.128	2.000

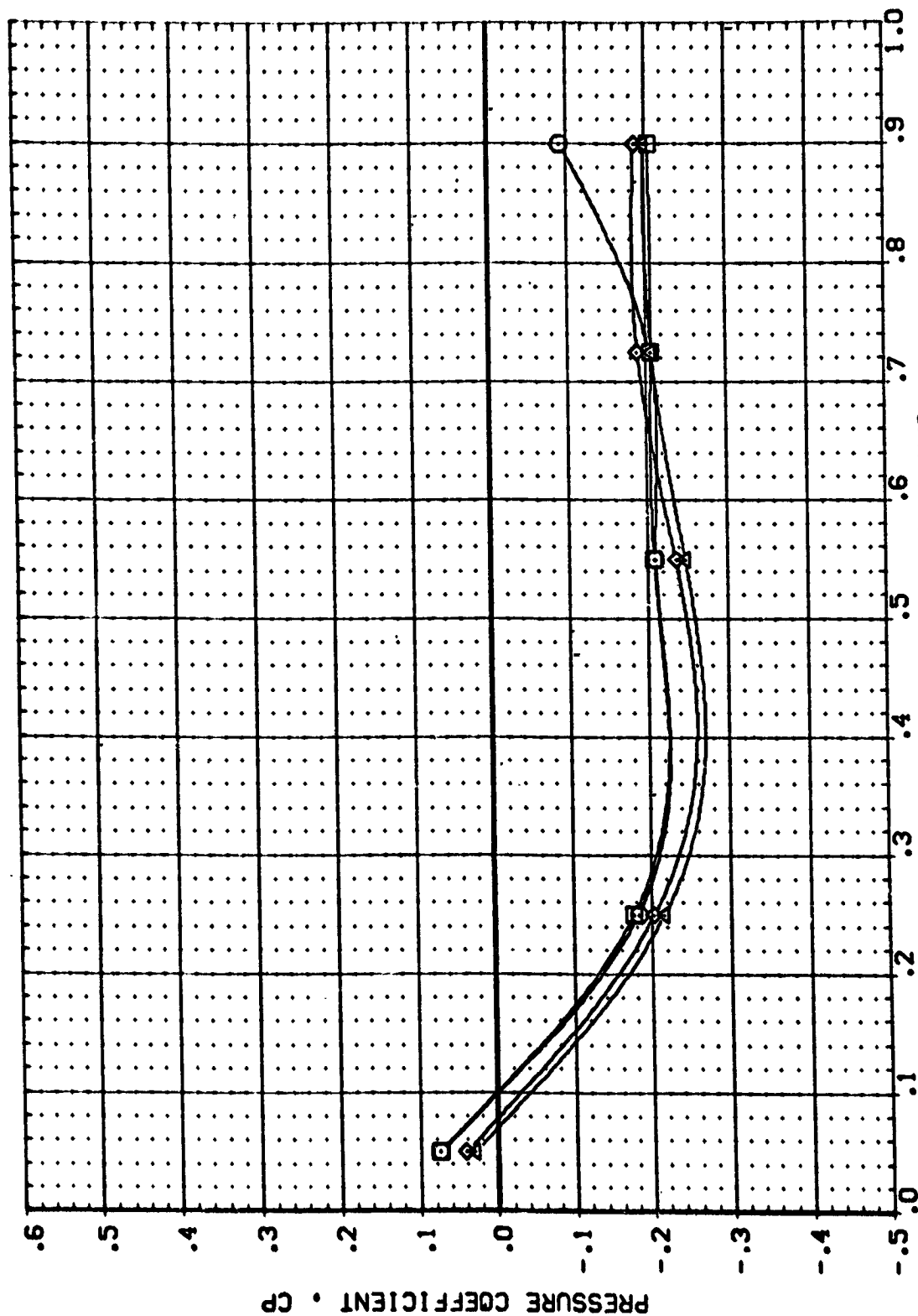


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .427 PAGE 206

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(RBVT34)	□	ARC 97-710 [A128 01 T1 S1 (TOP VING)]
(RBVT40)	□	ARC 97-710 [A128 01 T1 S1 (TOP VING)]
(RBVT45)	□	ARC 97-710 [A128 01 T1 S1 (TOP VING)]
(RBVT48)	□	ARC 97-710 [A128 01 T1 S1 (TOP VING)]

POWER	OPR	SRMPR	GIMBAL
.000	.409	.557	1.000
1.000	.409	1.245	2.000
1.000	.409	2.128	2.000

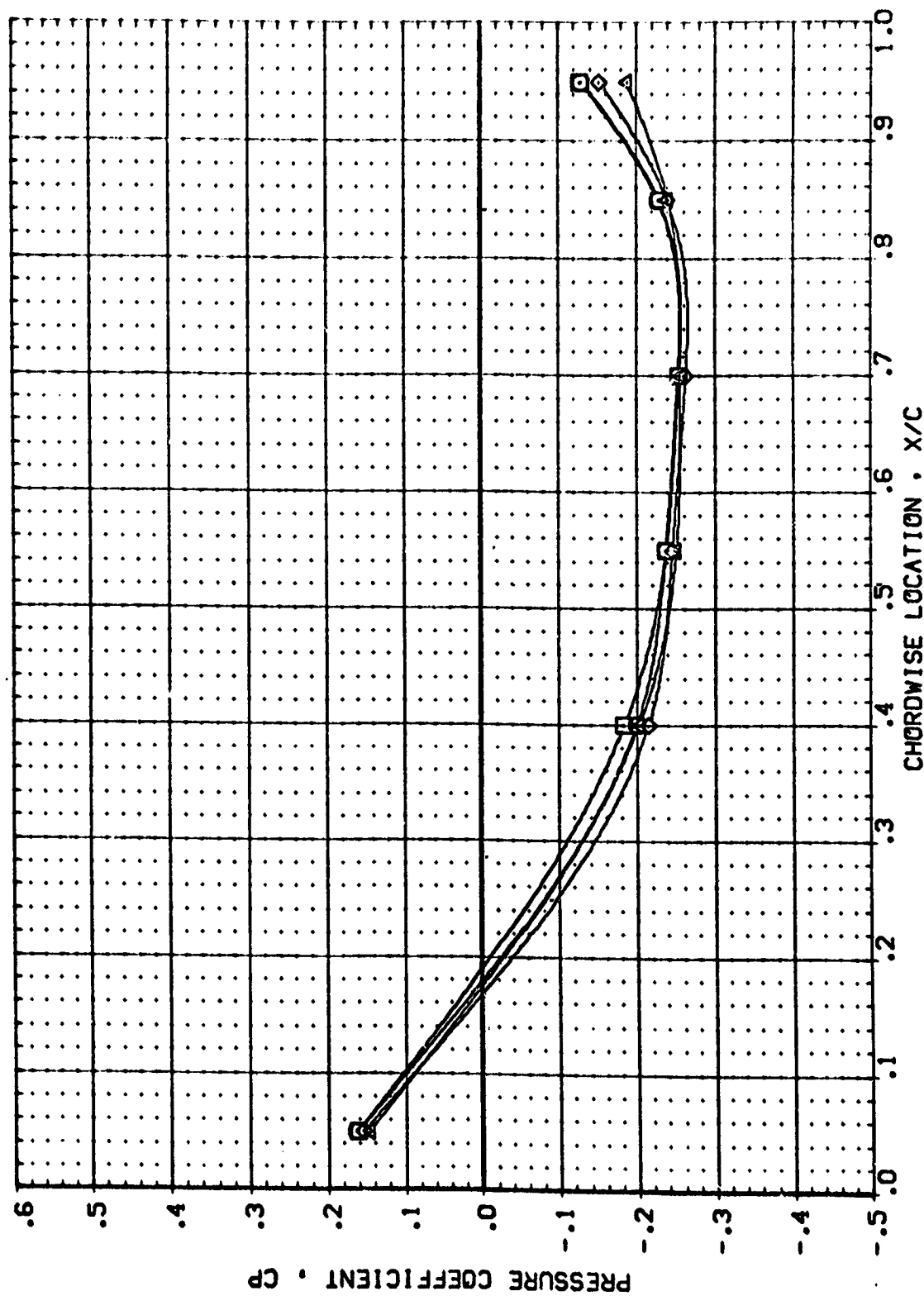


CHORDWISE LOCATION, X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .534

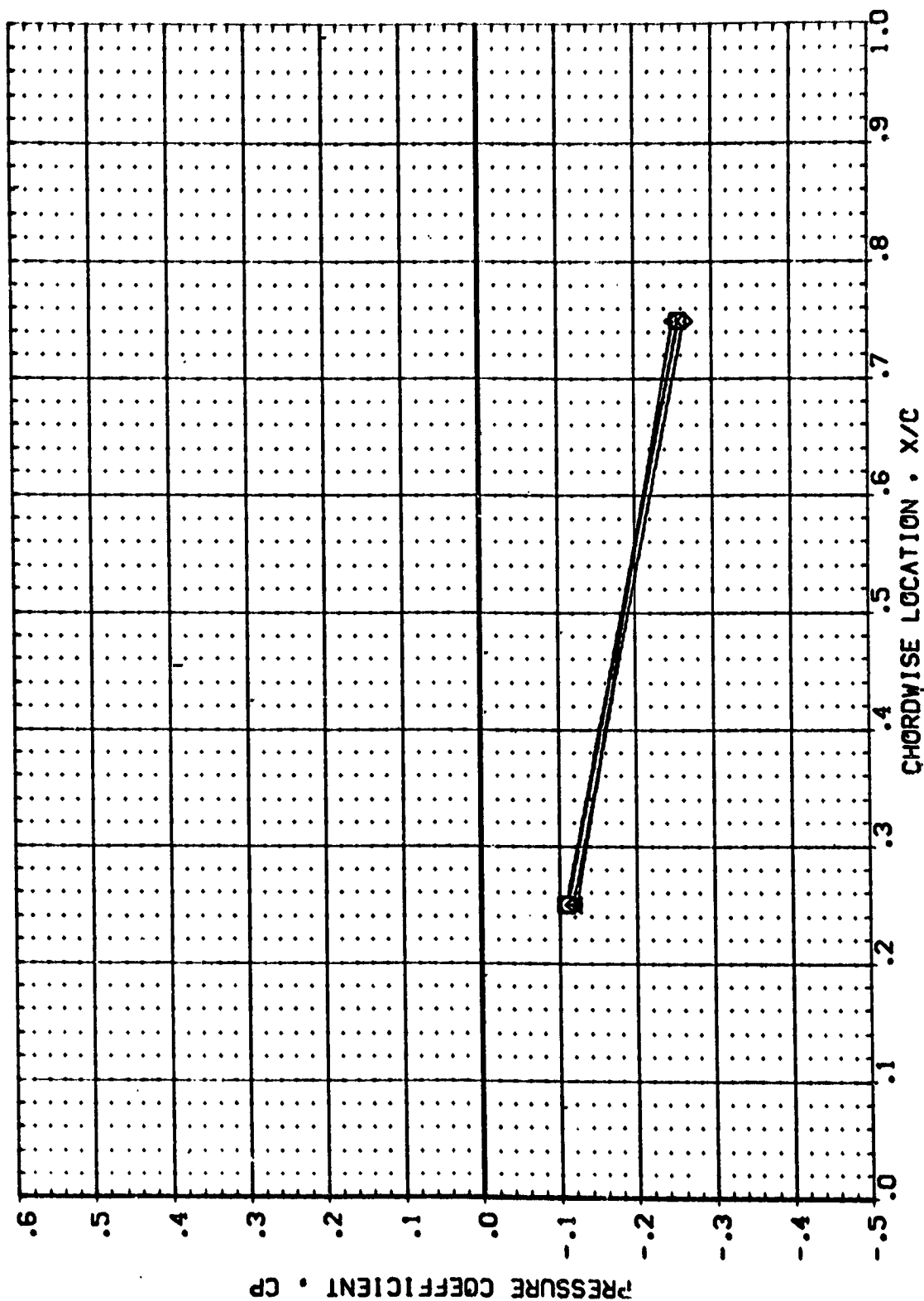
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RBVT34)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	.000	.409	.557	1.000
(RBVT40)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	1.000	.409	1.245	2.000
(RBVT49)	ARC 97-710 [A]28 01 T1 S1 (TOP VING)	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

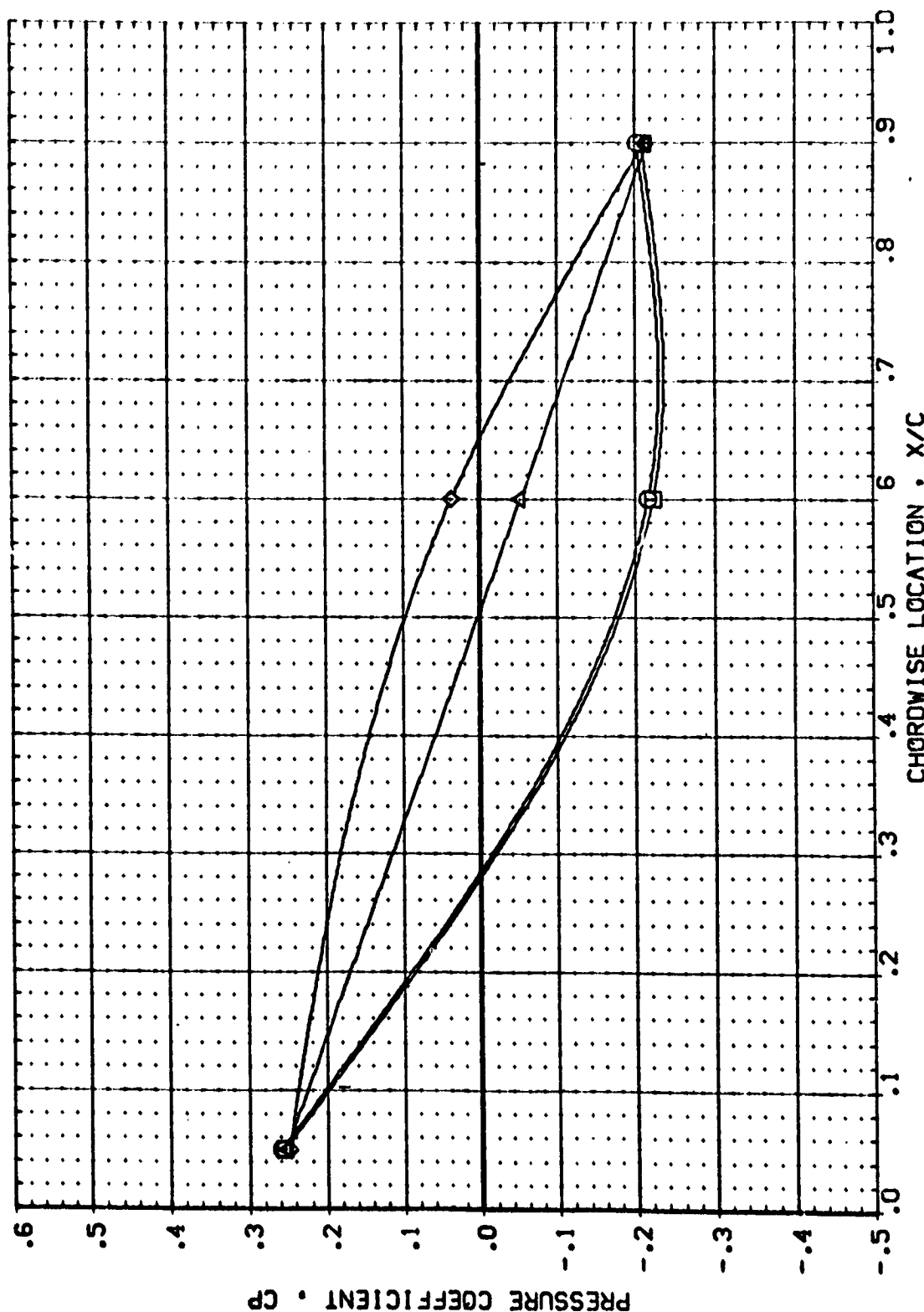
MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNRPR	GIMBAL
[RBV134]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000			1.000
[RBV140]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	.557	2.000
[RBV149]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	1.245	2.000
[RBV148]	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

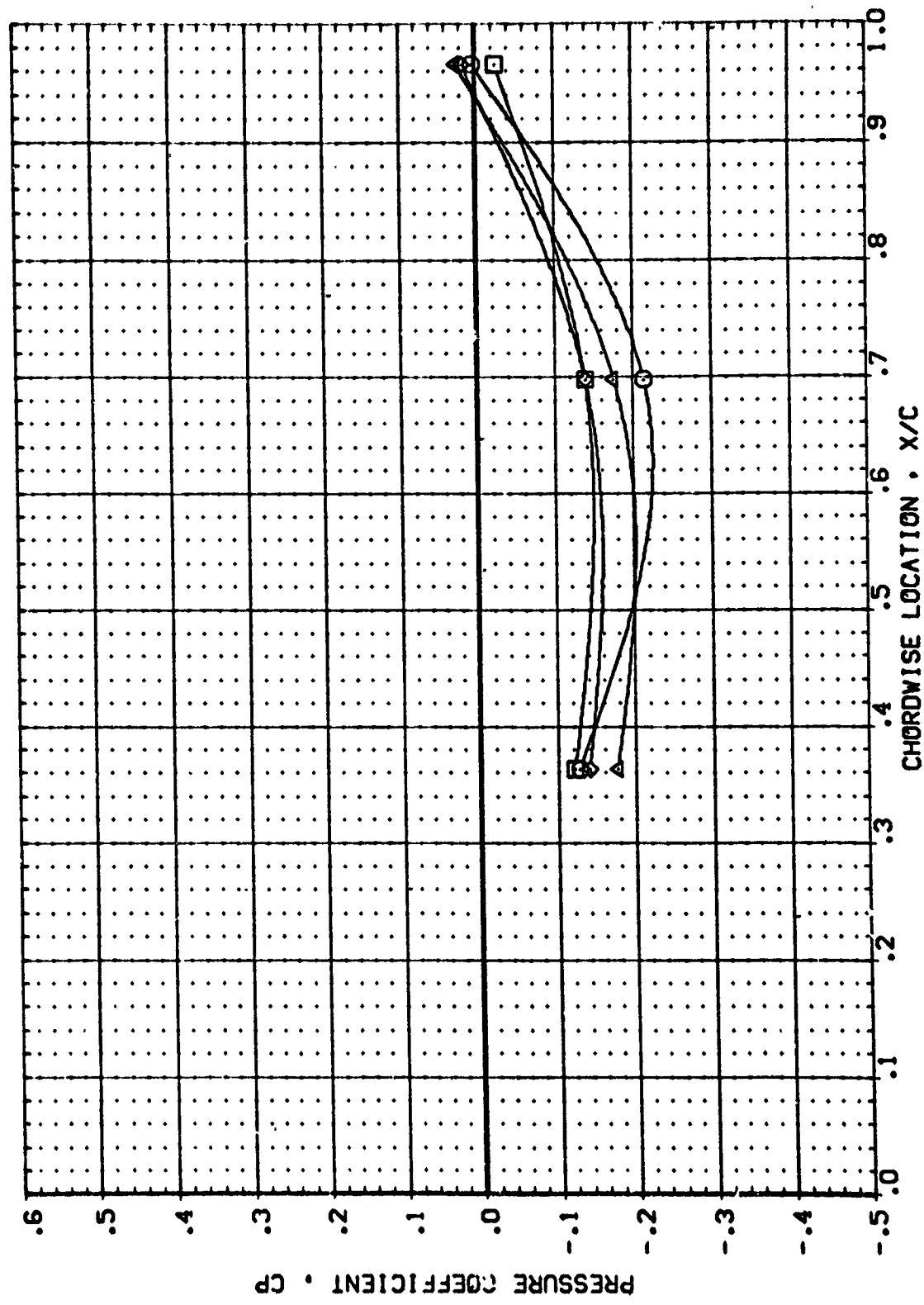
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	GIMBAL
(RBT34)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	.000	.409	.557	1.000
(RBT40)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	1.245	2.000
(RBT49)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	2.128	2.000
(RBT48)	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .887

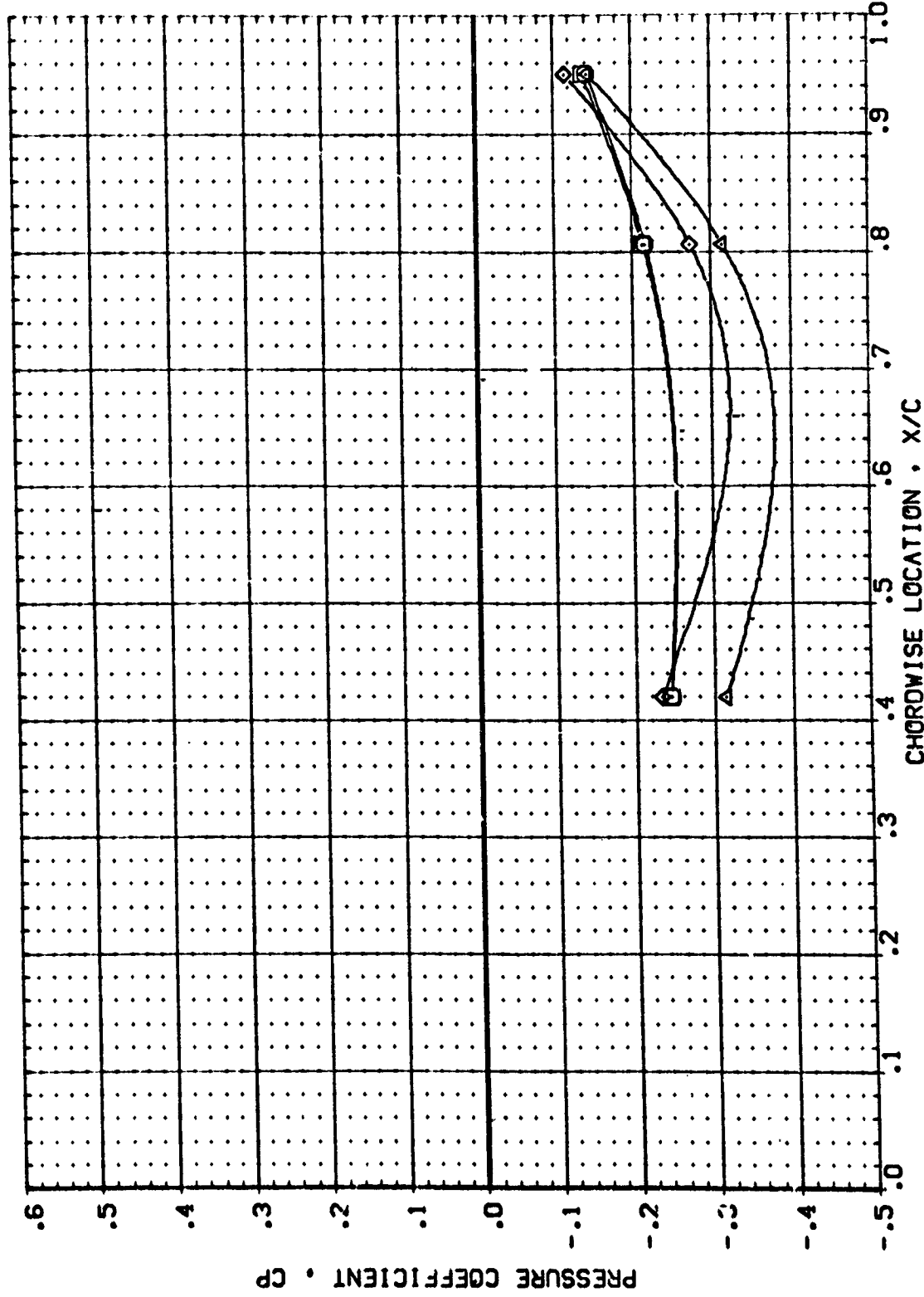
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRMPR	GIMBAL
(RBV134)	ARC 97-710 (A128 01 T1 S1 (TOP WING))	.000	.409	.557	1.000
(RBV140)	ARC 97-710 (A128 01 T1 S1 (TOP WING))	1.000	.409	1.245	2.000
(RBV149)	ARC 97-710 (A128 01 T1 S1 (TOP WING))	1.000	.409	2.128	2.000
(RBV148)	ARC 97-710 (A128 01 T1 S1 (TOP WING))	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT34) ARC 97-710 1A128 O1 T1 S1 (TOP VING) II
 (RBVT40) ARC 97-710 1A128 O1 T1 S1 (TOP VING) II
 (RBVT49) ARC 97-710 1A128 O1 T1 S1 (TOP VING) II
 (RBVT48) ARC 97-710 1A128 O1 T1 S1 (TOP VING) II

POWER C/P SRMPR GINBAL
 .000 .557 1.000
 1.000 1.245 2.000
 1.000 .409 2.000



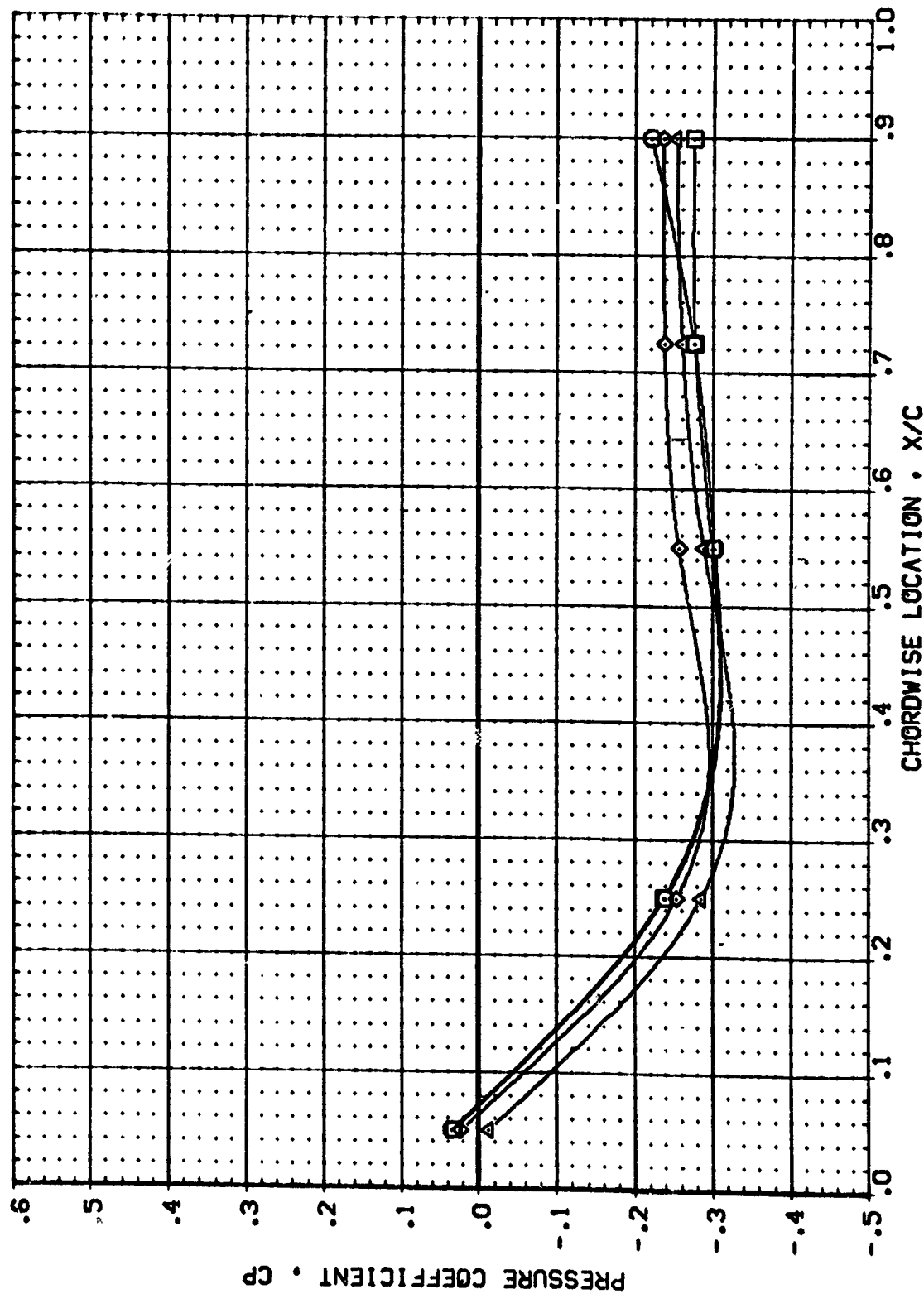
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT34) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (RBVT40) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (RBVT49) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]
 (RBVT48) ARC 97-710 [A128 O1 T1 S1 (TOP VING)]

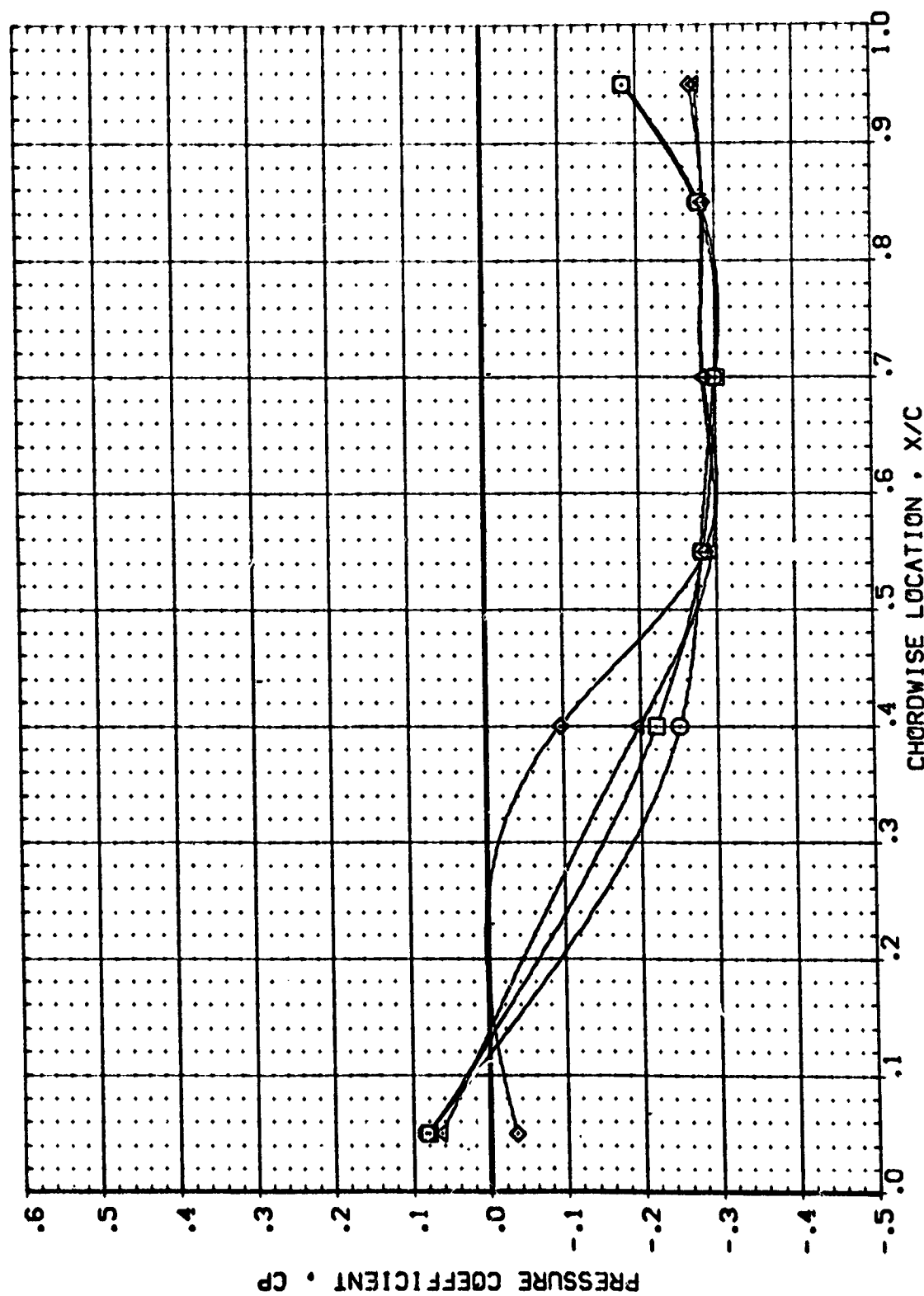
POWER OPR SWPR GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .534

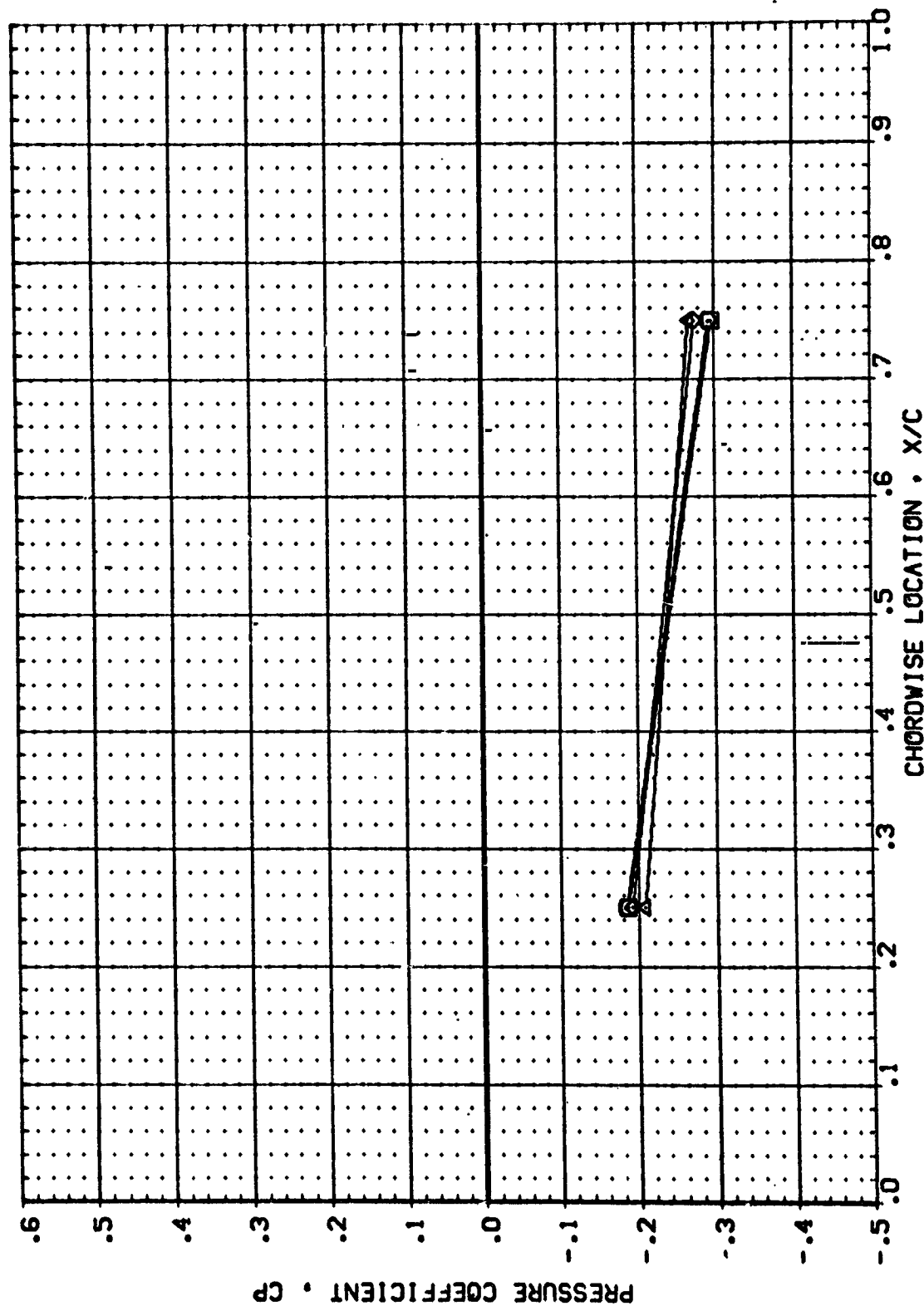
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SWPR	GIMBAL
(RBVT34)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	.000	.409	.557	1.000
(RBVT40)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	1.245	2.000
(RBVT49)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	2.128	2.000
(RBVT48)	ARC 97-710 (A128 O1 T1 S1 (TOP VING))	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .673

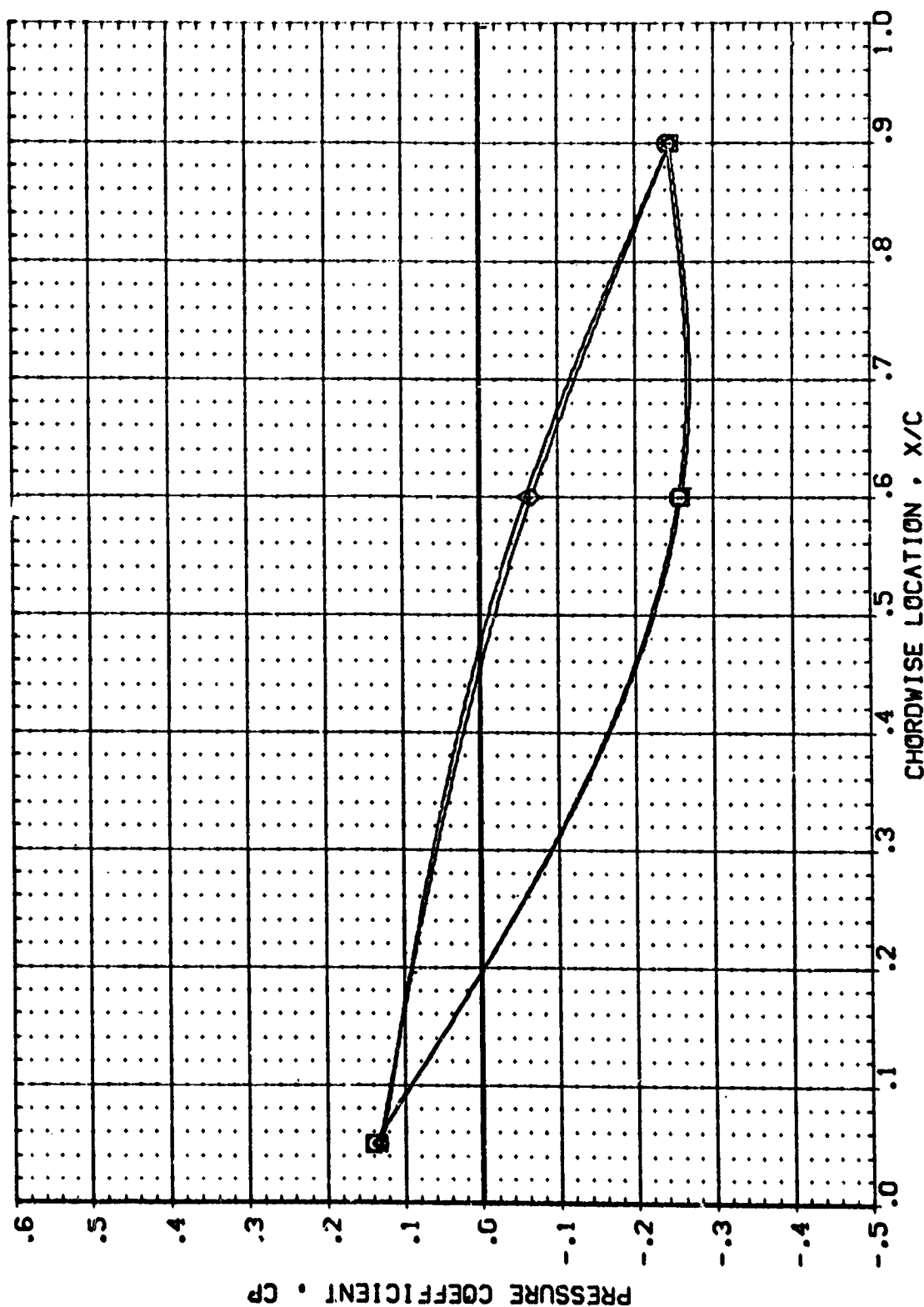
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	GIMBAL
(RSV134)	ARC 97-710 IAI28 OI TI SI (TOP VING) !!	.000	.409	.557	1.000
(RSV140)	ARC 97-710 IAI28 OI TI SI (TOP VING) !!	1.000	.409	1.245	2.000
(RSV149)	ARC 97-710 IAI28 OI TI SI (TOP VING) !!	1.000	.409	2.128	2.000
(RSV148)	ARC 97-710 IAI28 OI TI SI (TOP VING) !!	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = 1780

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	GIMBAL
(RBV134)	ARC 57-710 1A128 01 T1 S1 (TOP VING)	.000	.409	.557	1.000
(RBV140)	ARC 57-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	1.245	2.000
(RBV149)	ARC 57-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	2.000
(RBV148)	ARC 57-710 1A128 01 T1 S1 (TOP VING)	1.000	.409	2.128	2.000

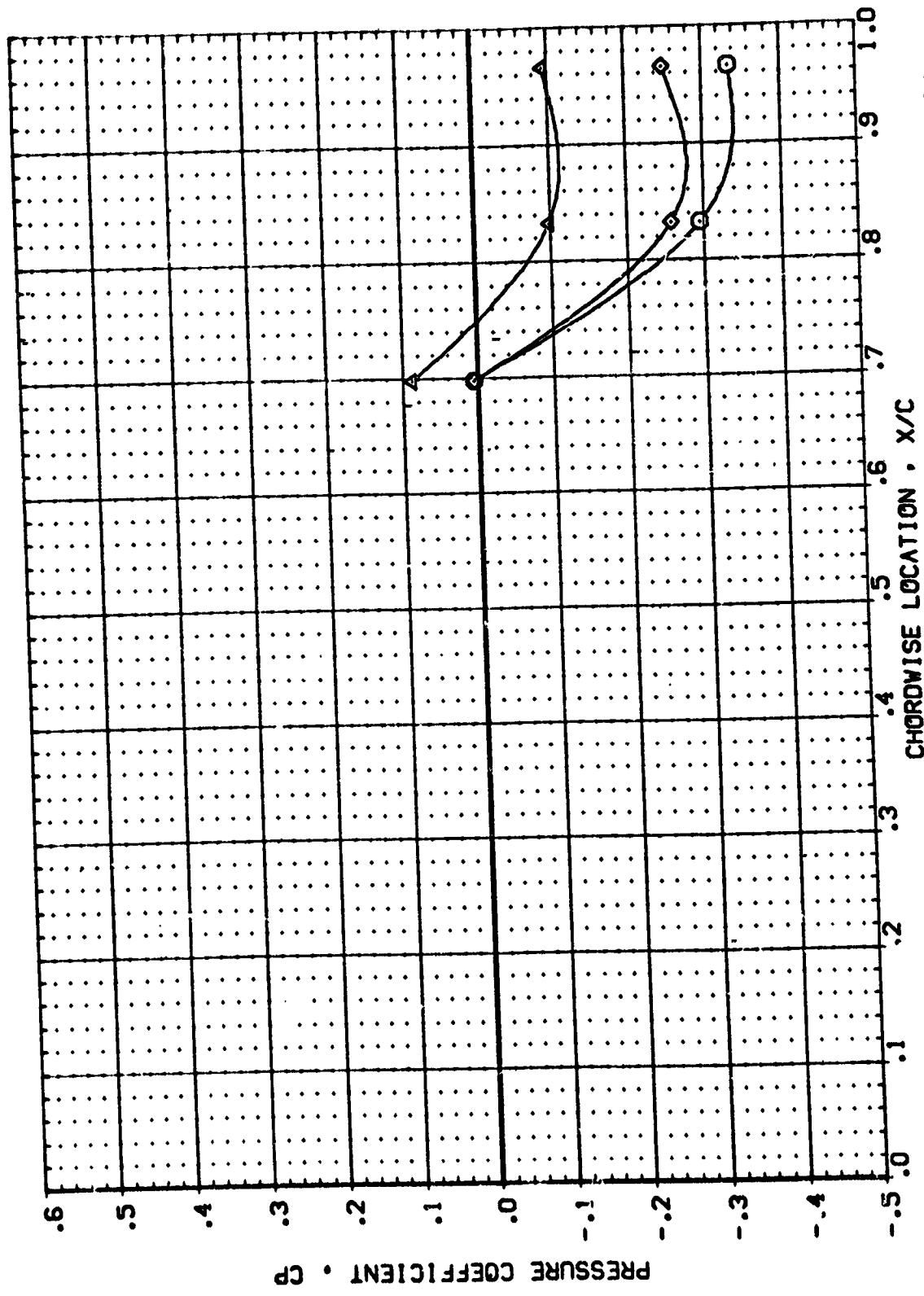


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .887 PAGE 216

POWER	OPR	SNPR	GIMBAL
1.000	.433	.469	1.000
1.000	.433	1.050	2.000
1.000	.433	1.790	2.000

DATA SET SYMOL	CONFIGURATION DESCRIPTION
(R3V832)	ARC 97-710 I A128 O1 T1 S1(BOTTOM VING)111
(R3V843)	ARC 97-710 I A128 O1 T1 S1(BOTTOM VING)111
(R3V844)	ARC 97-710 I A128 O1 T1 S1(BOTTOM VING)111
(R3V847)	ARC 97-710 I A128 O1 T1 S1(BOTTOM VING)111



CHORDWISE LOCATION • X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

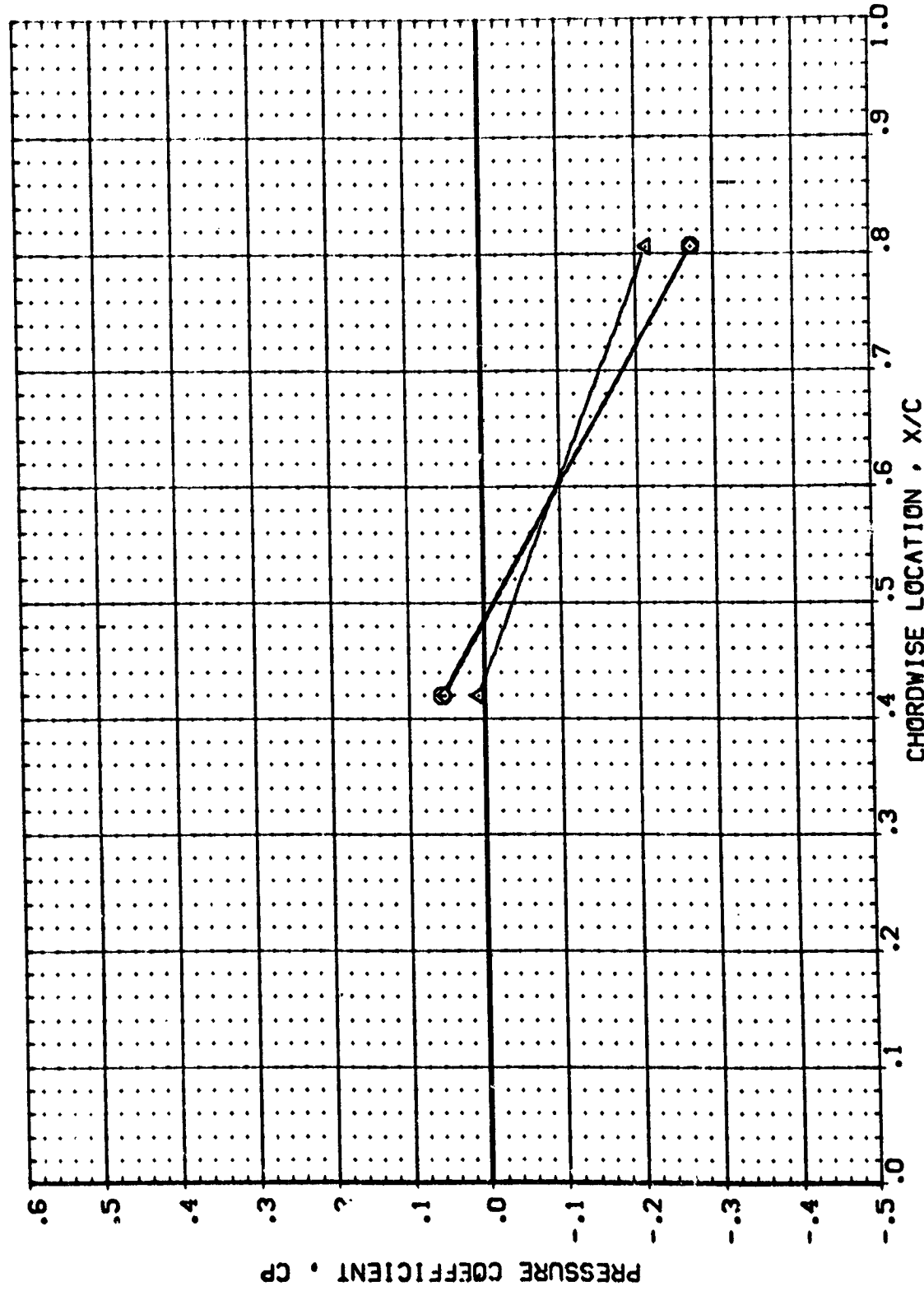
MACH = 1.550 ALPHA = -7.970 ETA = .299

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV332) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV343) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV344) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV347) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

POWER GIMBAL
 .000 1.000
 1.000 2.000
 1.000 2.000
 1.000 2.000

OPR SRMPR
 .433 .469
 .433 1.050
 .433 1.790



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

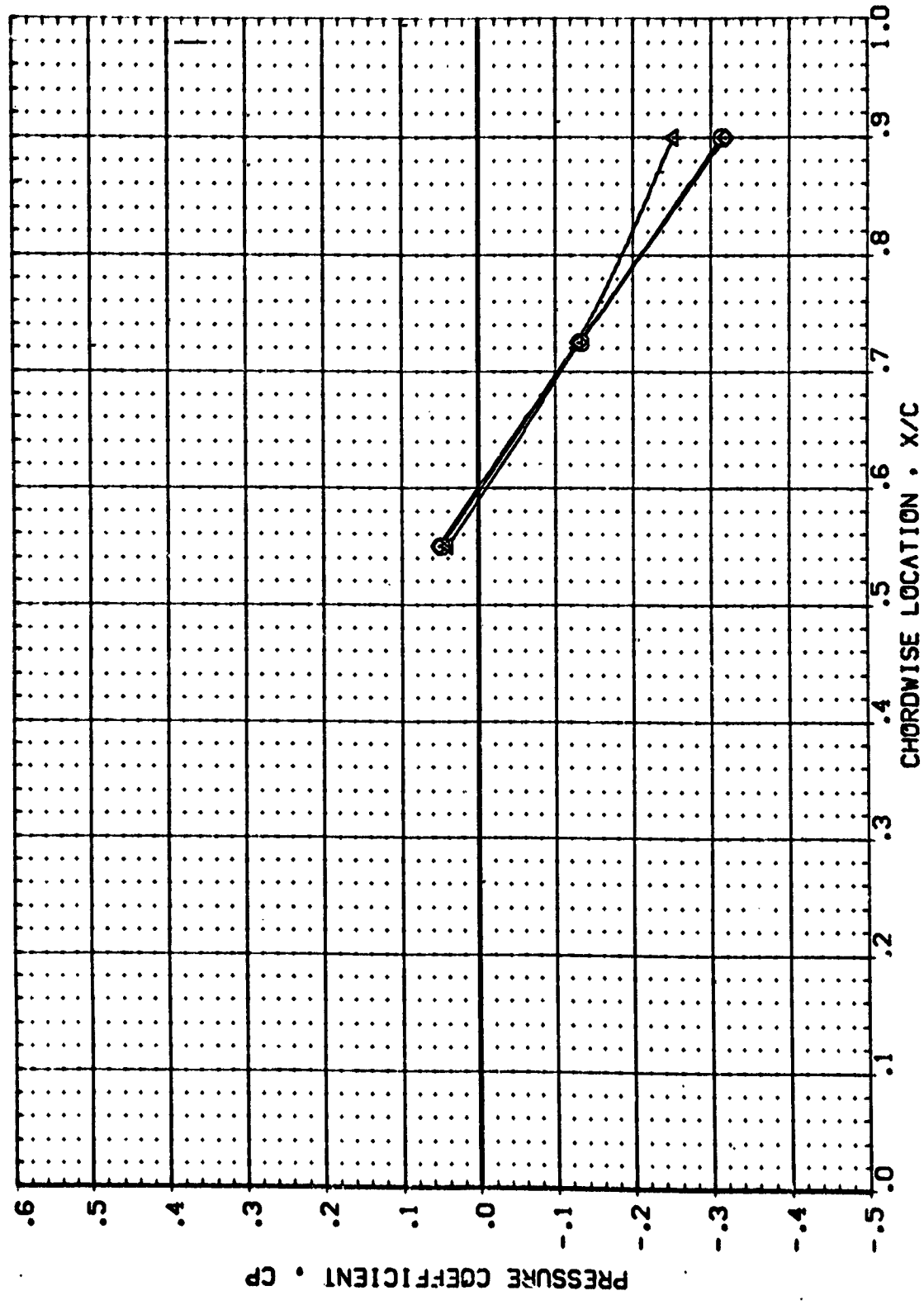
MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R8/B32)	ARC 97-710	1A128	01	T1	SI(BOTTOM VING)11
(R8/B43)	ARC 97-710	1A128	01	T1	SI(BOTTOM VING)11
(R8/B44)	ARC 97-710	1A128	01	T1	SI(BOTTOM VING)11
(R8/B47)	ARC 97-710	1A128	01	T1	SI(BOTTOM VING)11

POWER DFR SDFR GIMBAL

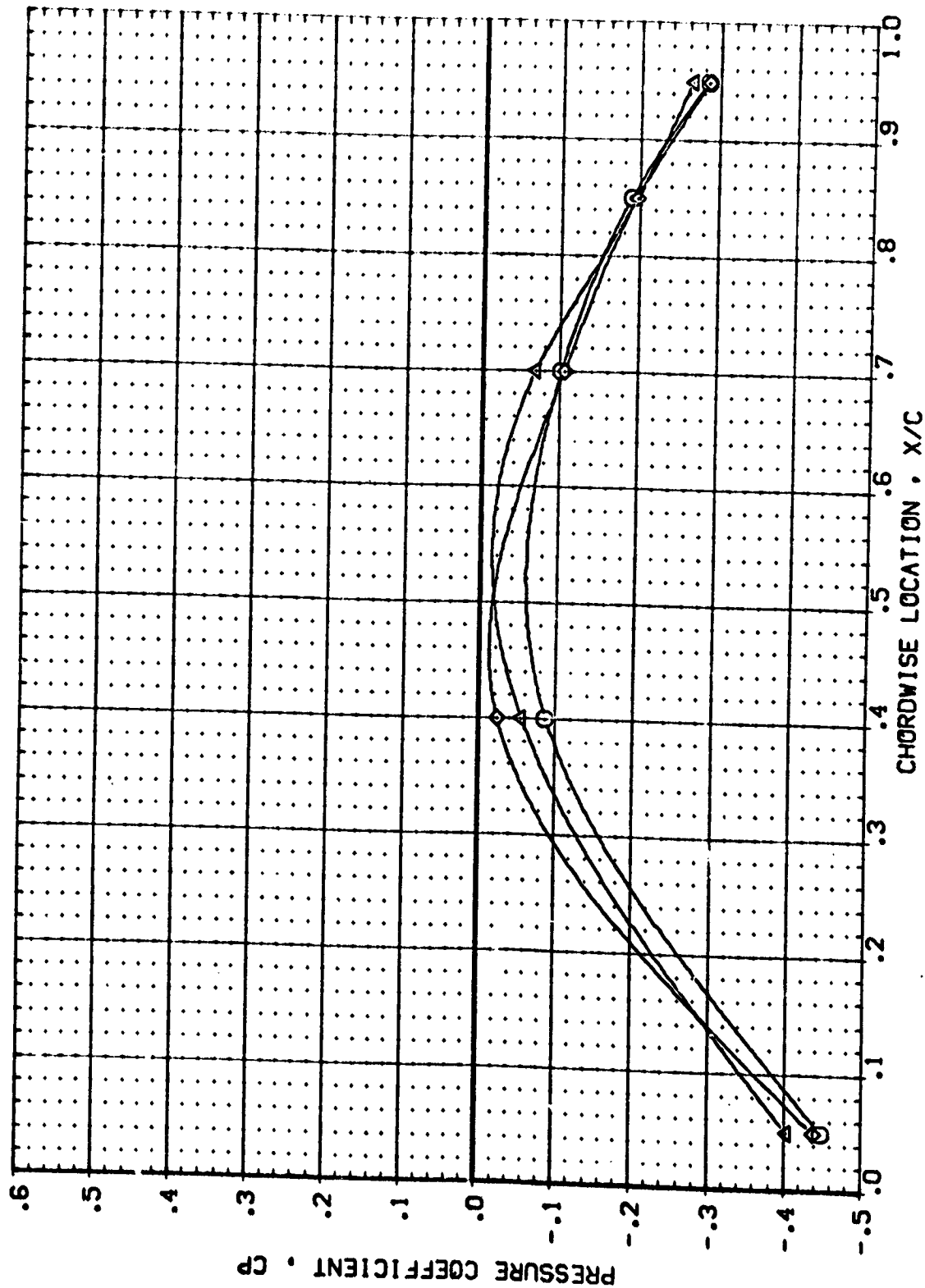
.000	.433	.469	1.000
1.000	.433	1.050	2.000
1.000	.433	1.750	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSVB32) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSVB43) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSVB44) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSVB47) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER DPR SRPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.790 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .673

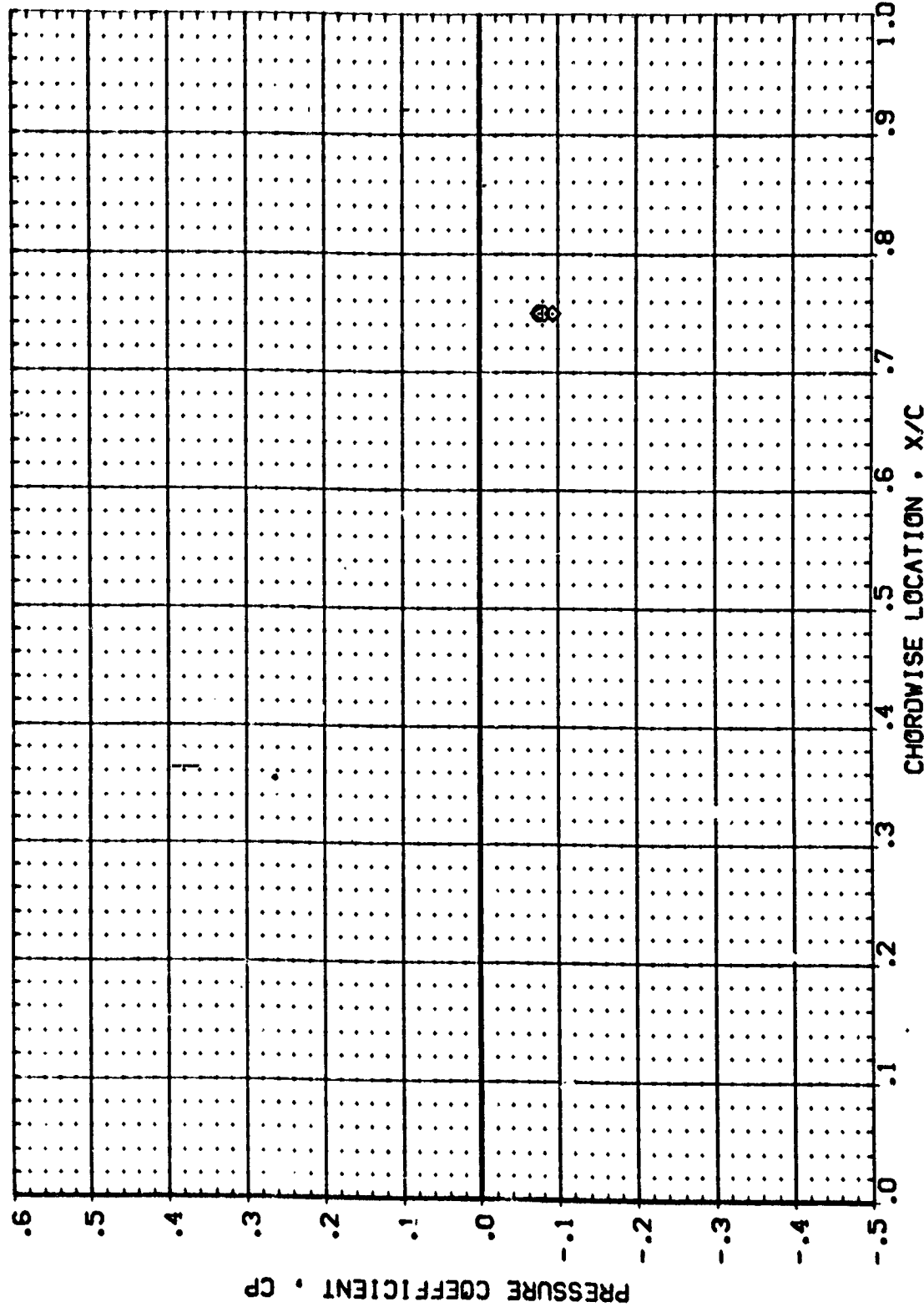
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (PB/B32) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (PB/B43) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (PB/B44) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (PB/B47) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER .000
 .000
 1.000
 1.000
 1.000
 1.000

OPR .433
 .433
 .433
 .433
 .433
 .433

SMRPR .469
 1.050
 1.750
 1.750
 1.750
 1.750

GINBAL 1.000
 2.000
 2.000
 2.000
 2.000
 2.000

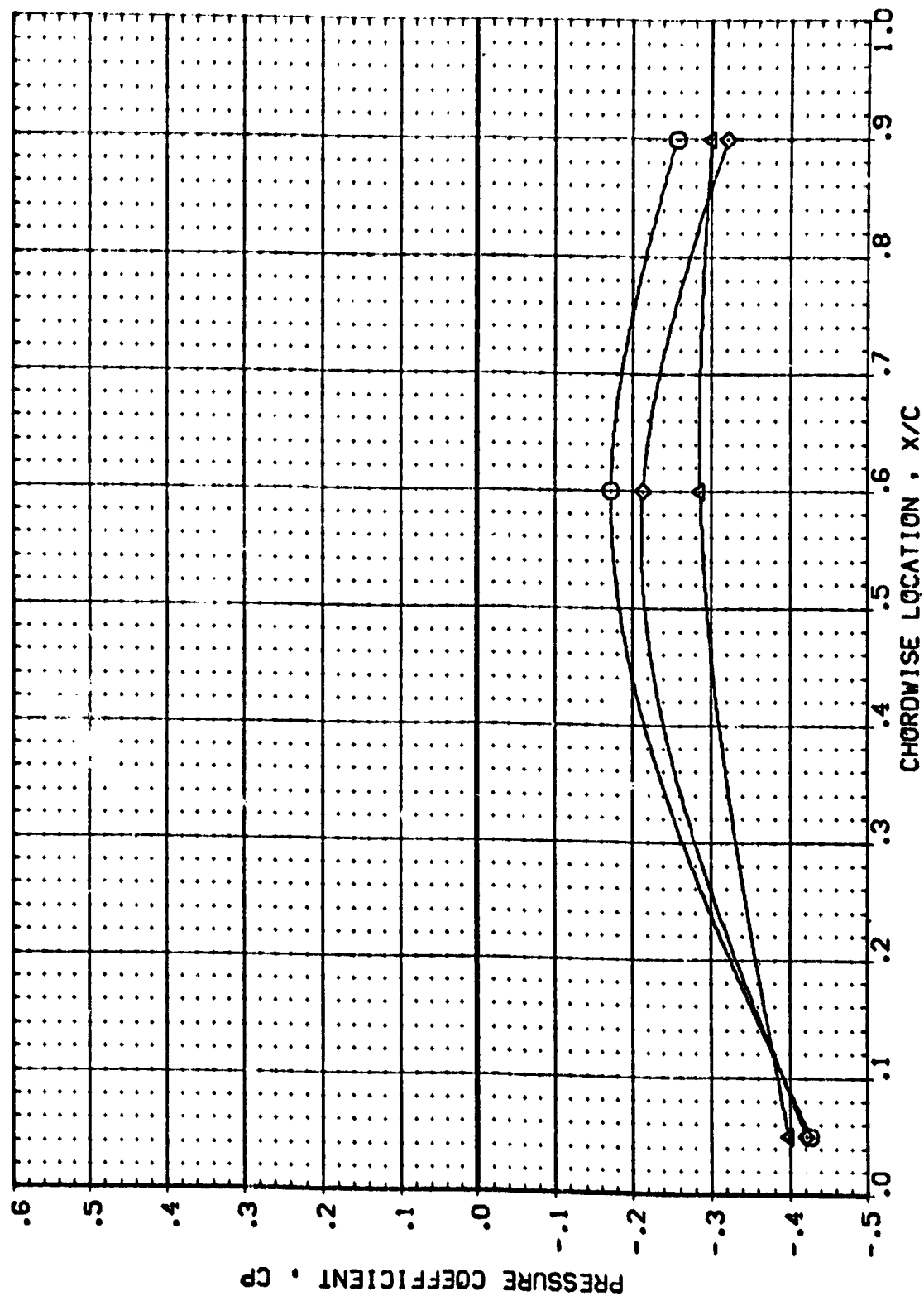


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RS/B32) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RS/B43) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RS/B44) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RS/B47) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II

POWER DPR SRMPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000

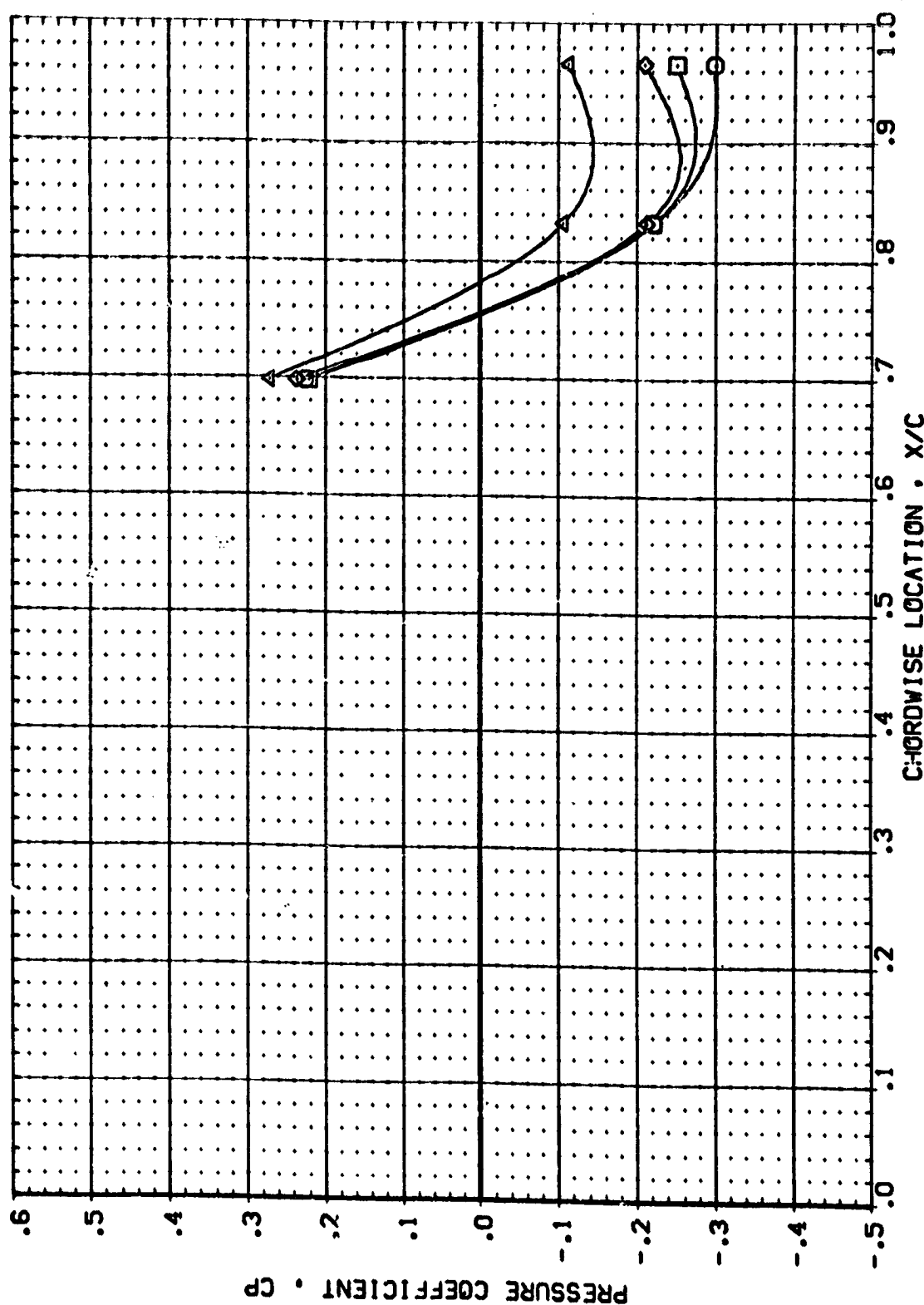


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVB32) ARC 97-710 [A128 O1 T1 SI(BOTTOM VING)]
 (RBVB43) ARC 97-710 [A128 O1 T1 SI(BOTTOM VING)]
 (RBVB44) ARC 97-710 [A128 O1 T1 SI(BOTTOM VING)]
 (RBVB47) ARC 97-710 [A128 O1 T1 SI(BOTTOM VING)]

POWER C/P SR-PR GIMBAL
 .000 .433 1.000
 1.000 .433 1.050
 1.000 .433 1.750



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

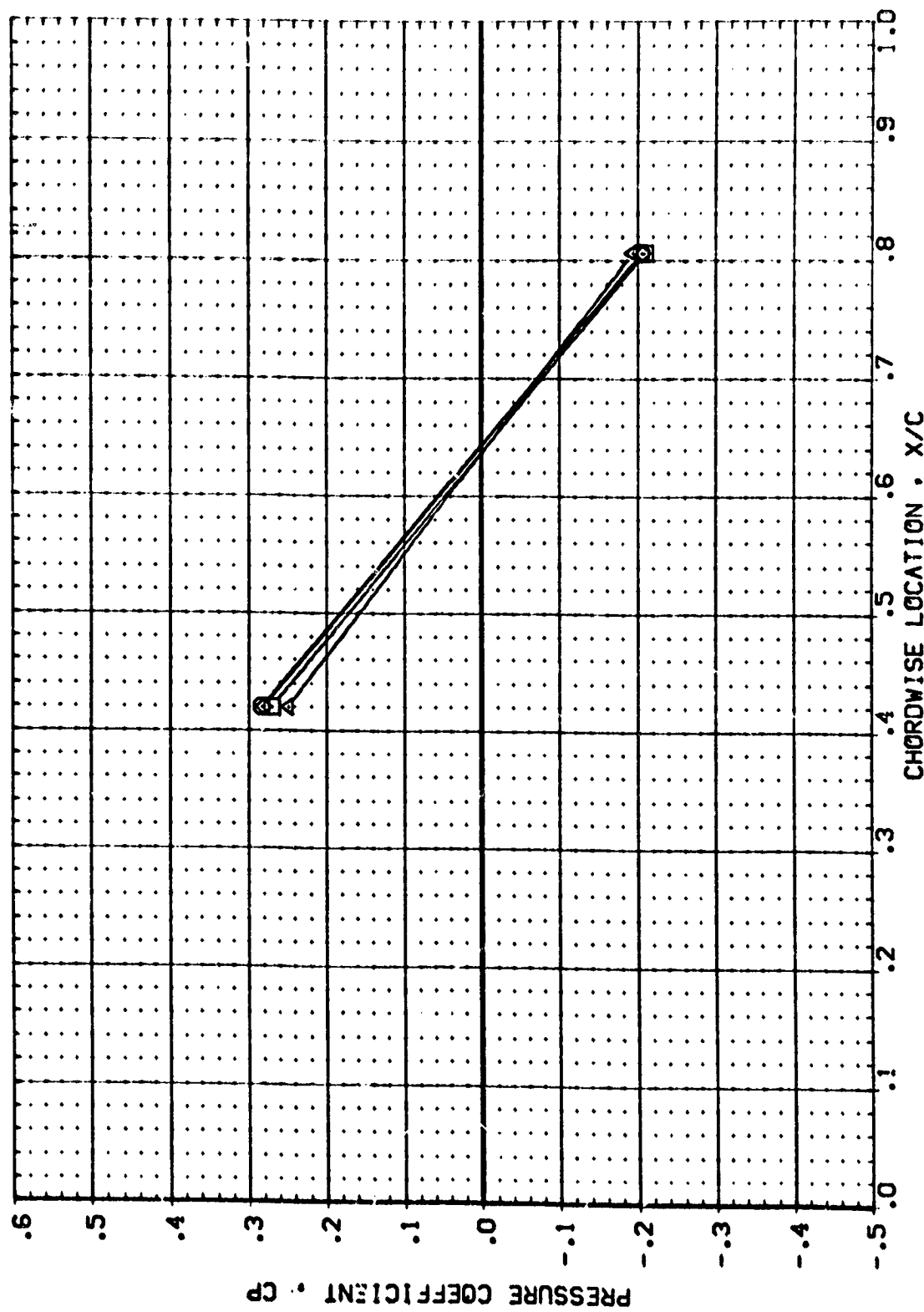
(RBV32) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV33) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV34) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11
 (RBV35) ARC 97-710 [A128 01 T] S1(BOTTOM VING)11

POWER 0.000
 1.000
 1.000
 1.000

OPR .433
 .433
 .433
 .433

SWPR 469
 1.050
 1.750
 2.000

GIMBAL 1.000
 2.000
 2.000
 2.000



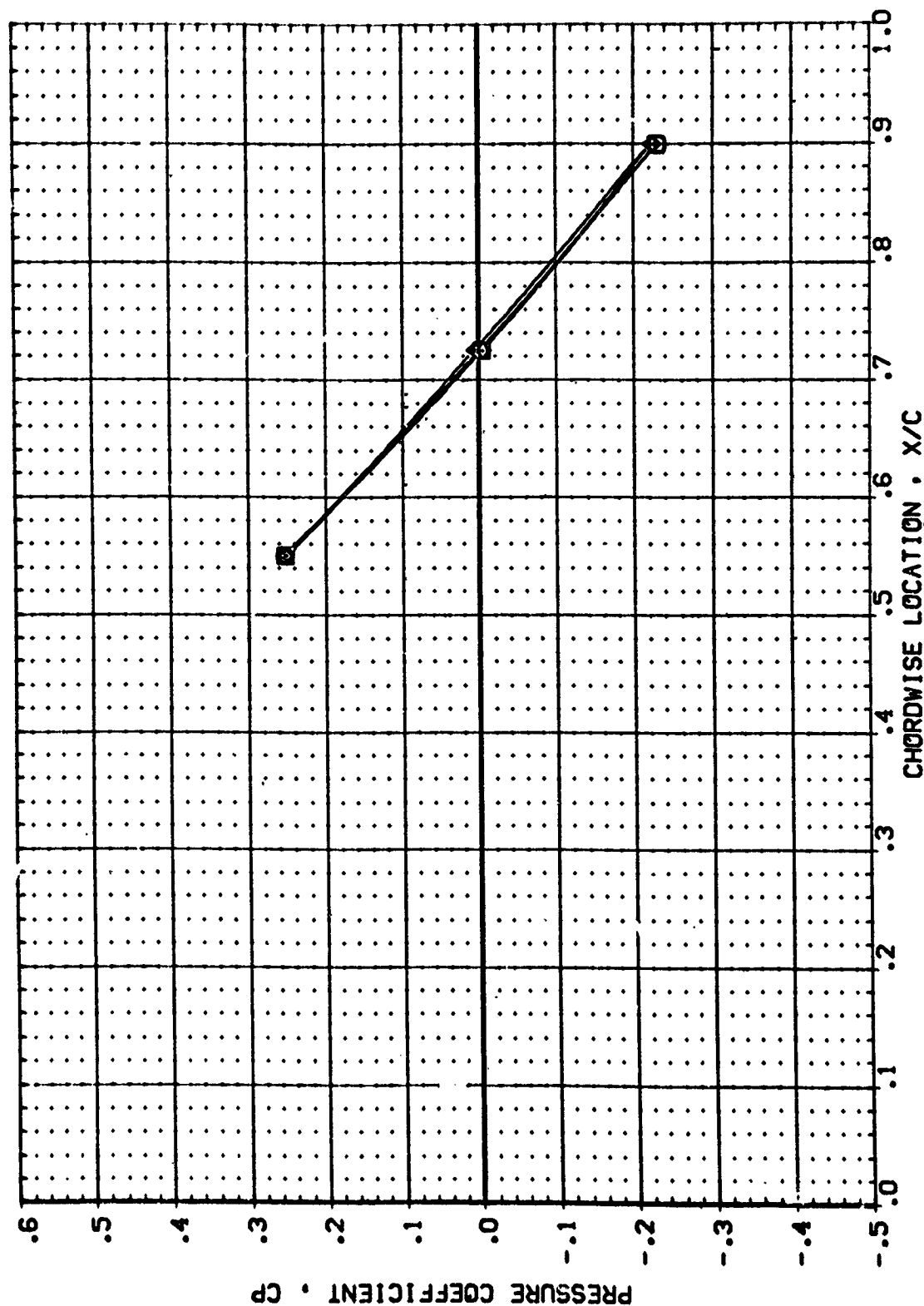
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .427

DATA SET SYMBOL CONFIGURATION
 (RBV832) ARC 97-710
 (RBV843) ARC 97-710
 (RBV844) ARC 97-710
 (RBV847) ARC 97-710

ON
 (BOTTOM WING)
 (BOTTOM WING)
 (BOTTOM WING)
 (BOTTOM WING)

POWER DPR SPRP GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



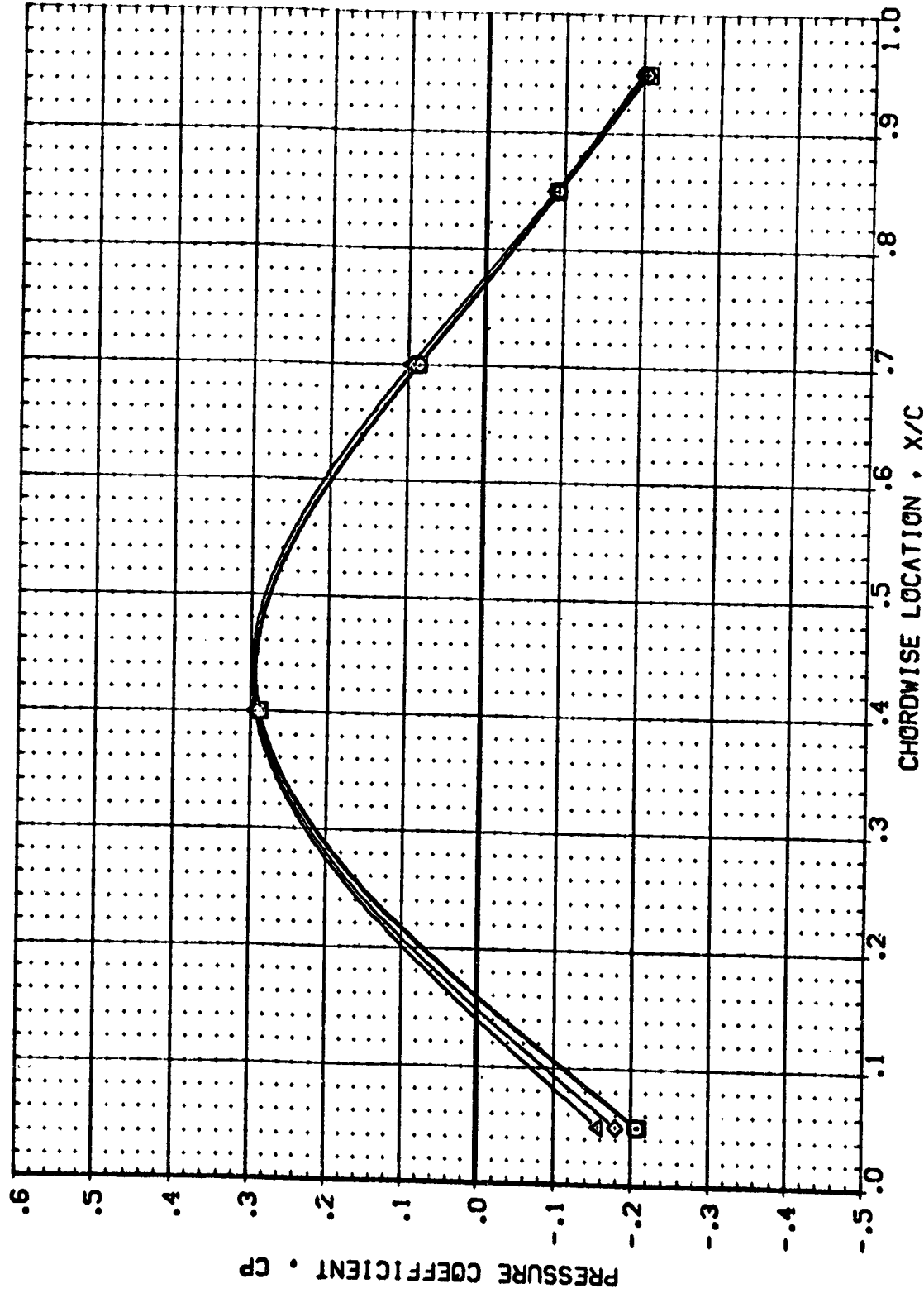
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV832) ARC 97-710 IAI28 CI TI SI(BOTTOM WING)II
 (RBV843) ARC 97-710 IAI28 CI TI SI(BOTTOM WING)II
 (RBV844) ARC 97-710 IAI28 CI TI SI(BOTTOM WING)II
 (RBV847) ARC 97-710 IAI28 CI TI SI(BOTTOM WING)II

POWER 0FR SRPR GIMBAL
 .000 .433 1.000
 1.000 .469 2.000
 1.000 1.050 2.000
 1.000 .433 1.750



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

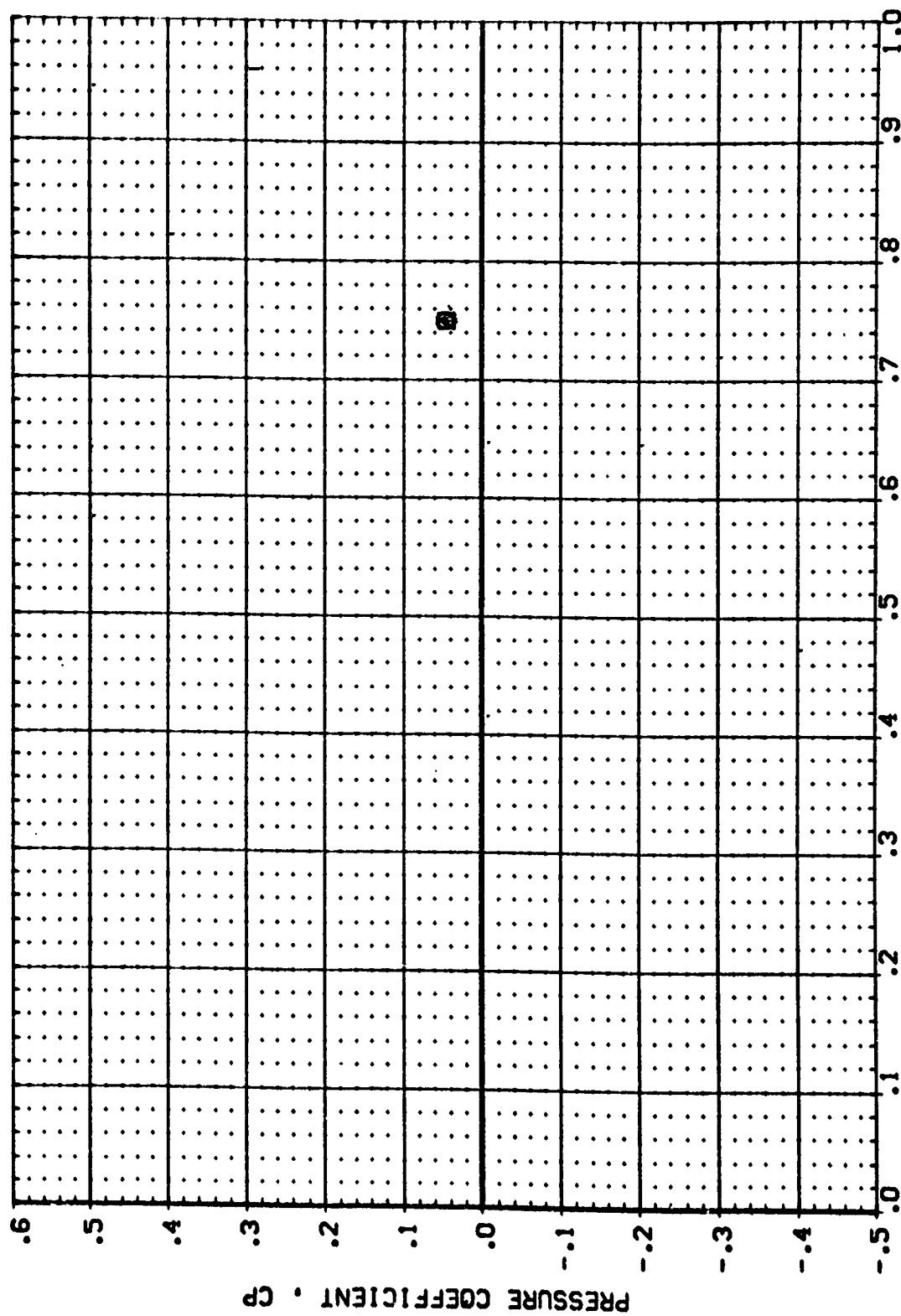
MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

RB/B32	ARC 97-710	IA128	01	T1	SI(BOTTOM VING)11
RB/B43	ARC 97-710	IA128	01	T1	SI(BOTTOM VING)11
RB/B44	ARC 97-710	IA128	01	T1	SI(BOTTOM VING)11
RB/B47	ARC 97-710	IA128	01	T1	SI(BOTTOM VING)11

POWER C/P SRMPR GIMBAL

.000	.433	.469	1.000
1.000	.433	1.050	2.000
1.000	.433	1.750	2.000

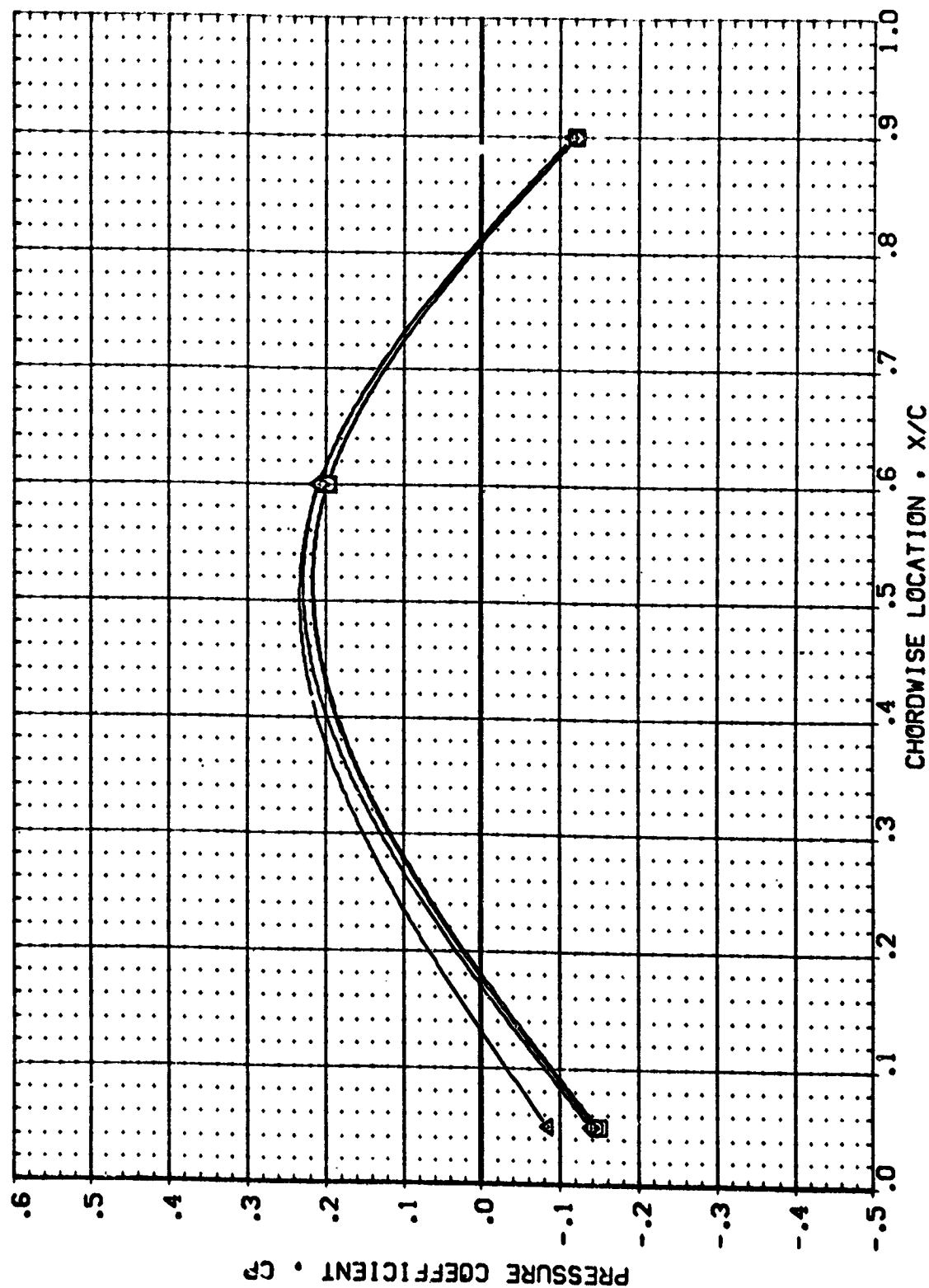


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .780 PAGE 227

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVB32) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBVB43) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBVB44) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBVB47) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

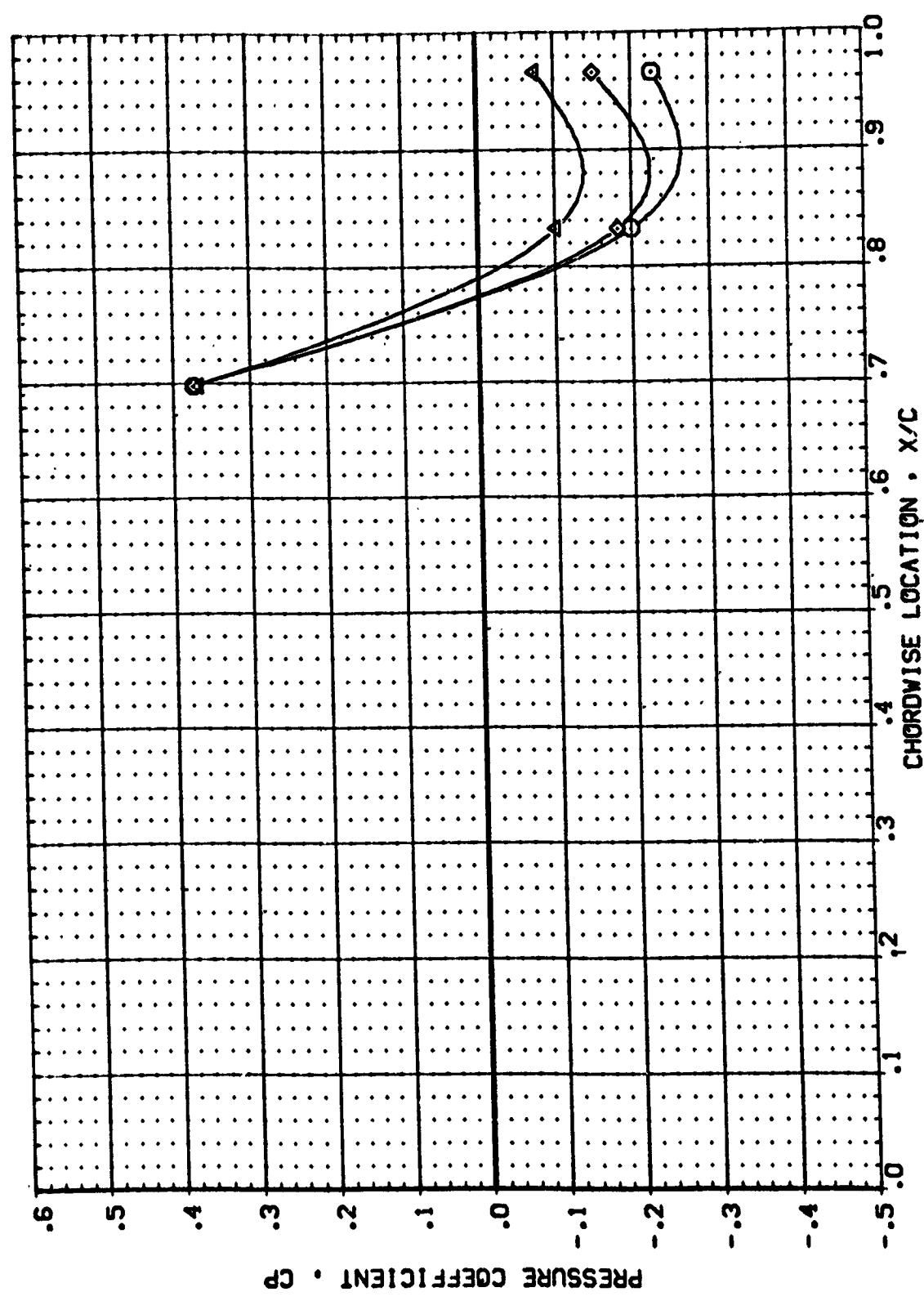
POWER DFR SRMPR GINBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.950 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .887

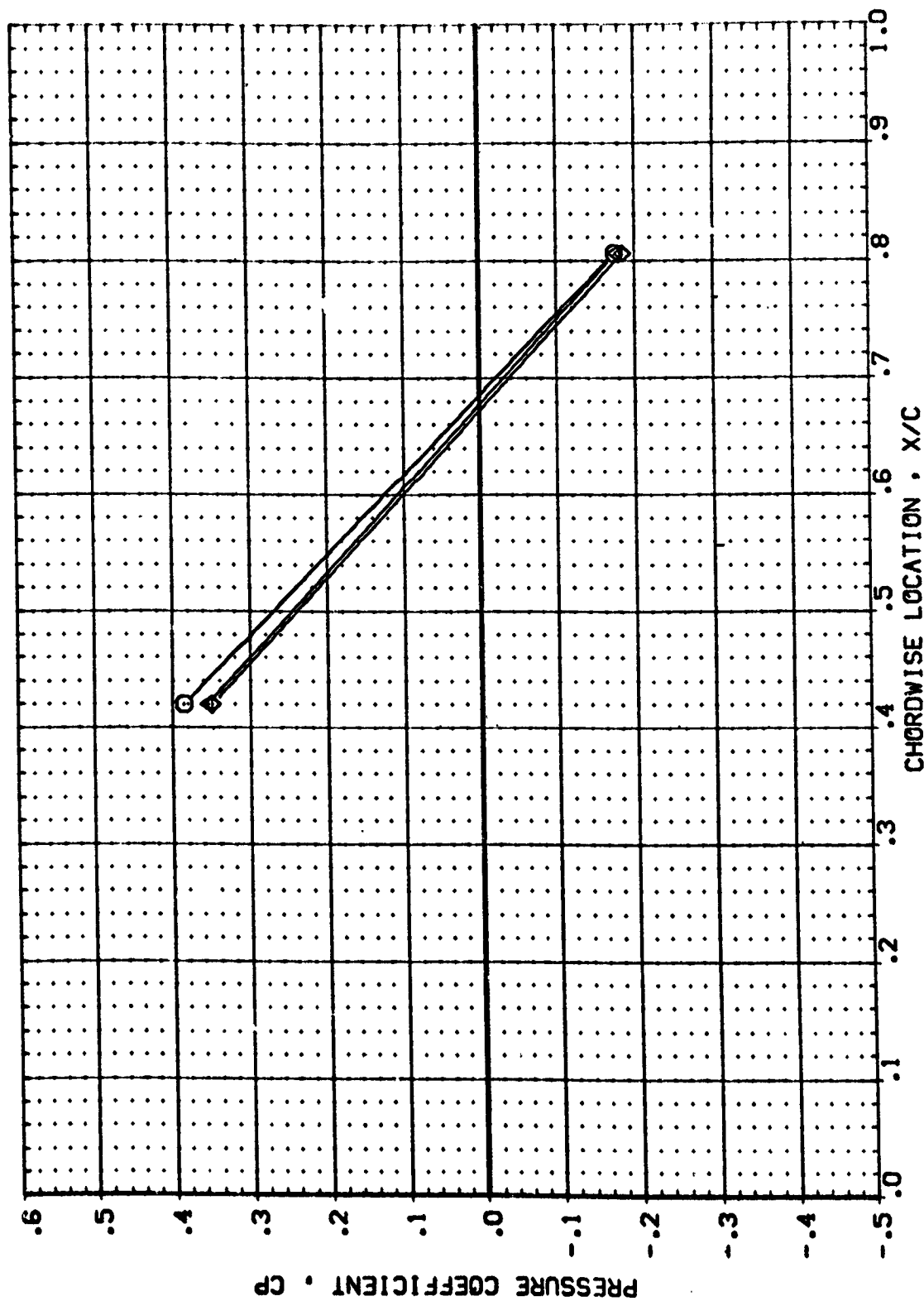
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMRPR	GIMBAL
(R5V832)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	.000	.433	.469	1.000
(R5V843)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.433	1.050	2.000
(R5V844)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.433	1.790	2.000
(R5V847)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.433	1.790	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVB32) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (RBVB43) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (RBVB44) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]
 (RBVB47) ARC 97-710 [A128 O1 T1 S1(BOTTOM VING)]

POWER DPR SRMPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.790 2.000



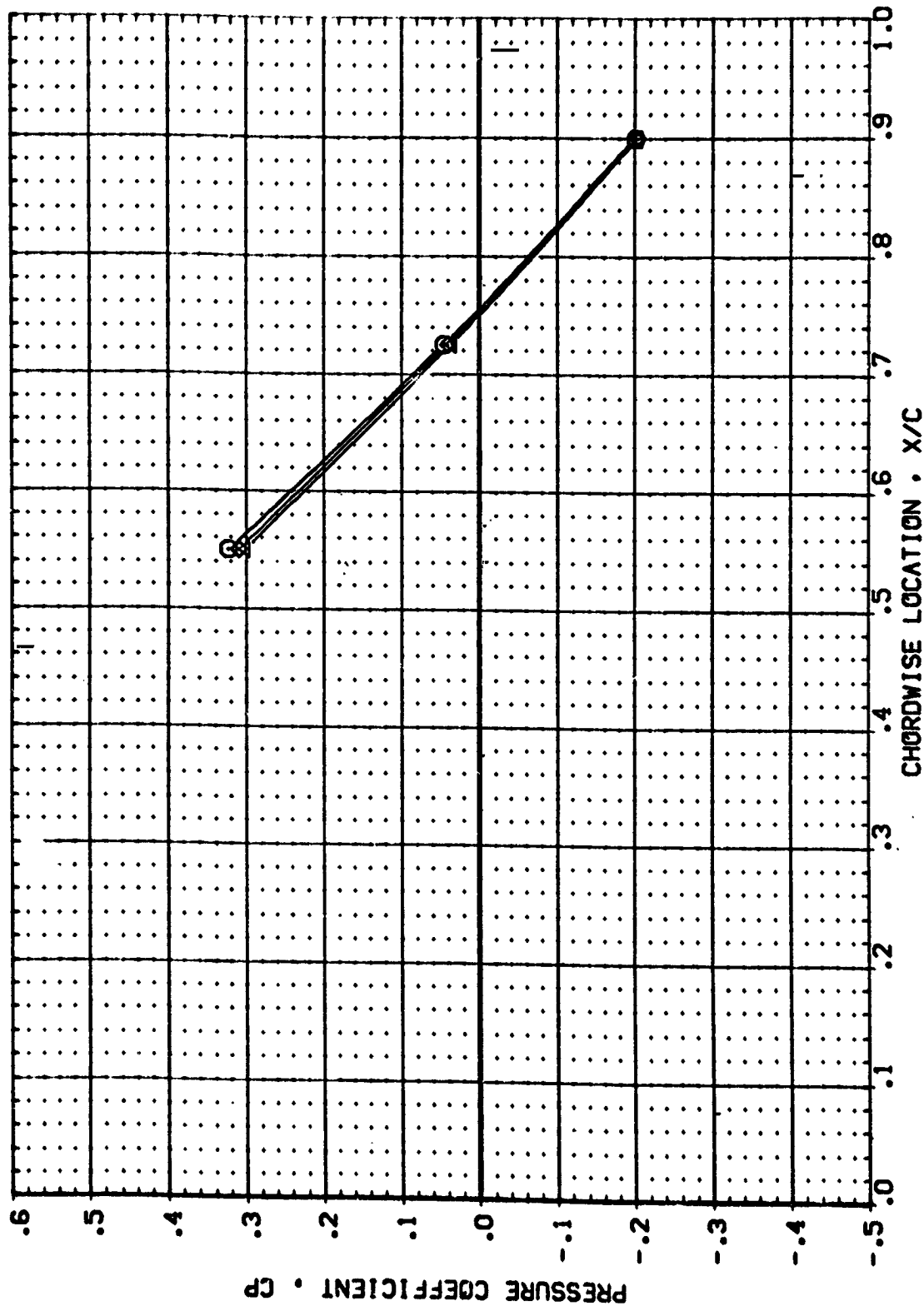
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .427 PAGE 230

DATA SET SYMBOL . CONFIGURATION DESCRIPTION

(RB/B32)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RB/B43)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RB/B44)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
(RB/B47)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER	OPR	SRPR	GINBAL
.000	.433	.469	1.000
1.000	.433	1.050	2.000
1.000	.433	1.790	2.000

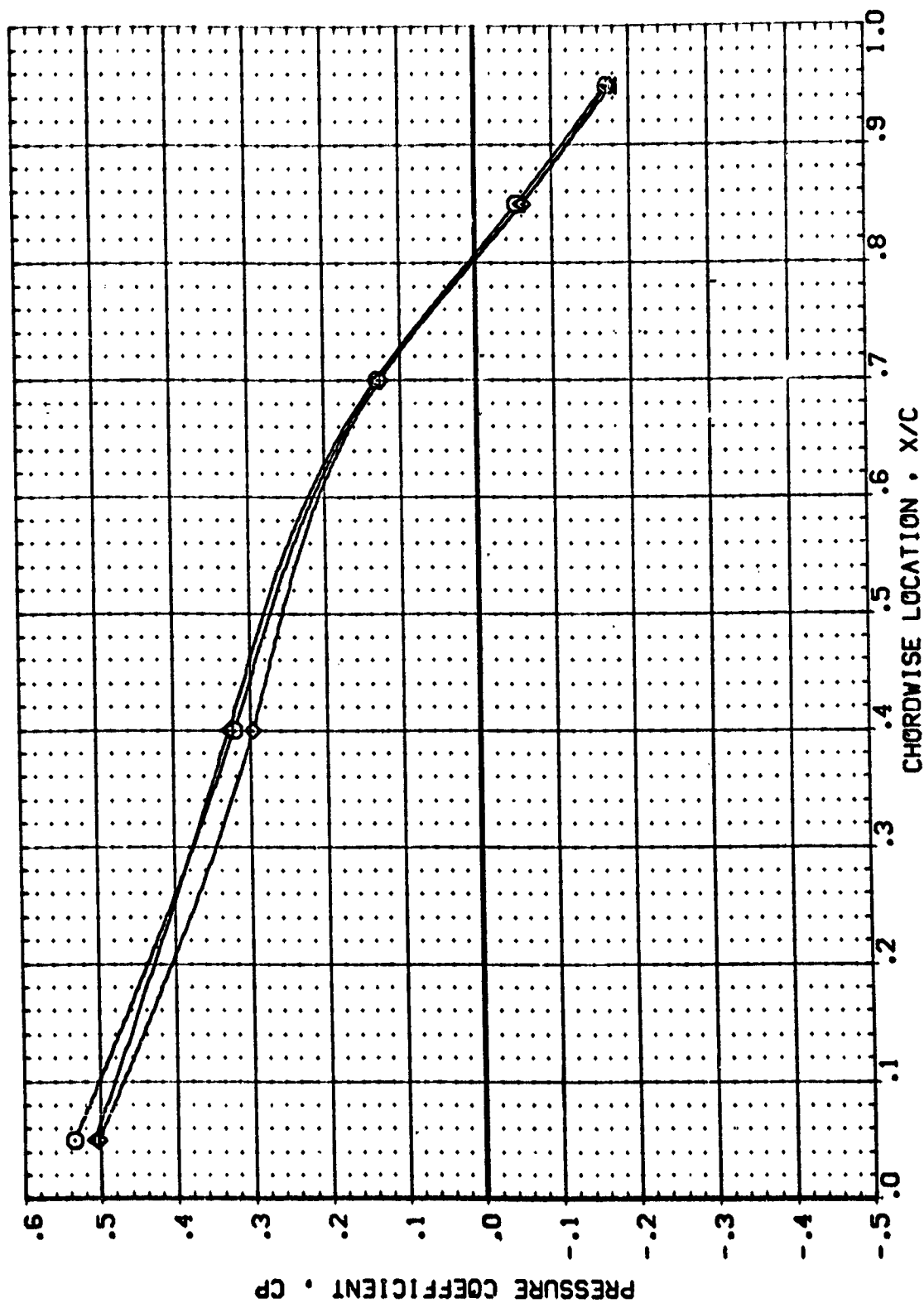


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV32) ARC 97-710 [A128 O1 T1 S1(BOTTOM WING)]
 (RBV33) ARC 97-710 [A128 O1 T1 S1(BOTTOM WING)]
 (RBV34) ARC 97-710 [A128 O1 T1 S1(BOTTOM WING)]
 (RBV347) ARC 97-710 [A128 O1 T1 S1(BOTTOM WING)]

POWER DFR SFRPR GIMBAL
 .000 .433 .469 1.000
 1.000 .433 1.050 2.000
 1.000 .433 1.750 2.000



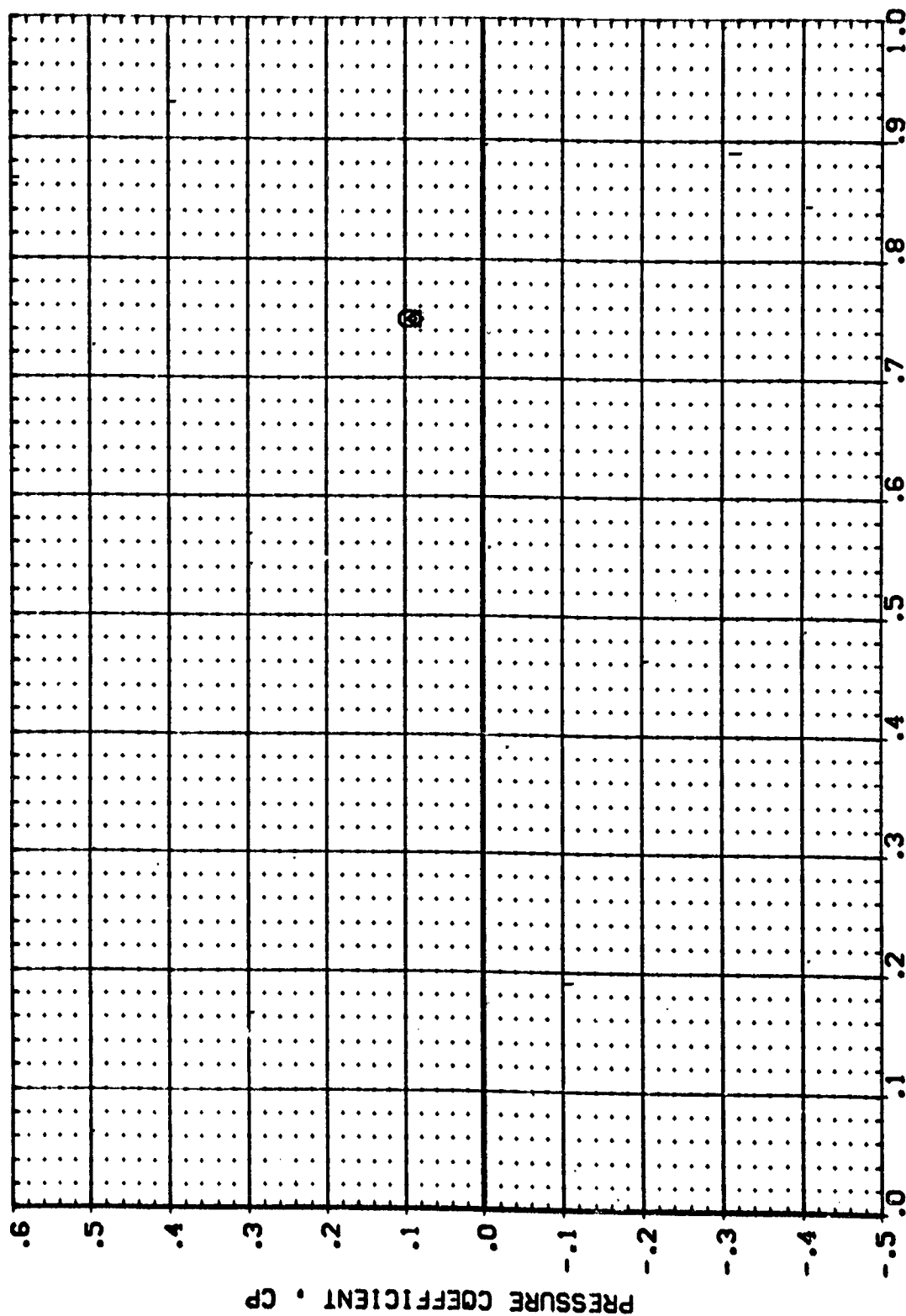
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV832) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RBV843) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RBV844) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II
 (RBV847) ARC 97-710 IAI28 OI TI SI(BOTTOM WING)II

POWER OPR SRPR GINBAL
 .000
 1.000 .433 1.000
 1.000 .433 1.050
 1.000 .433 1.790 2.000



CHORDWISE LOCATION - X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .780

DATA SET SYMBOL

(RBV832)
(RBV843)
(RBV844)
(RBV847)



CONFIGURATION DESCRIPTION

ARC 97-710 1A128 01 T1 S1(BOTTOM VING))
ARC 97-710 1A128 01 T1 S1(BOTTOM VING))
ARC 97-710 1A128 01 T1 S1(BOTTOM VING))
ARC 97-710 1A128 01 T1 S1(BOTTOM VING))

POWER

.000
1.000
1.000
1.000

QPR

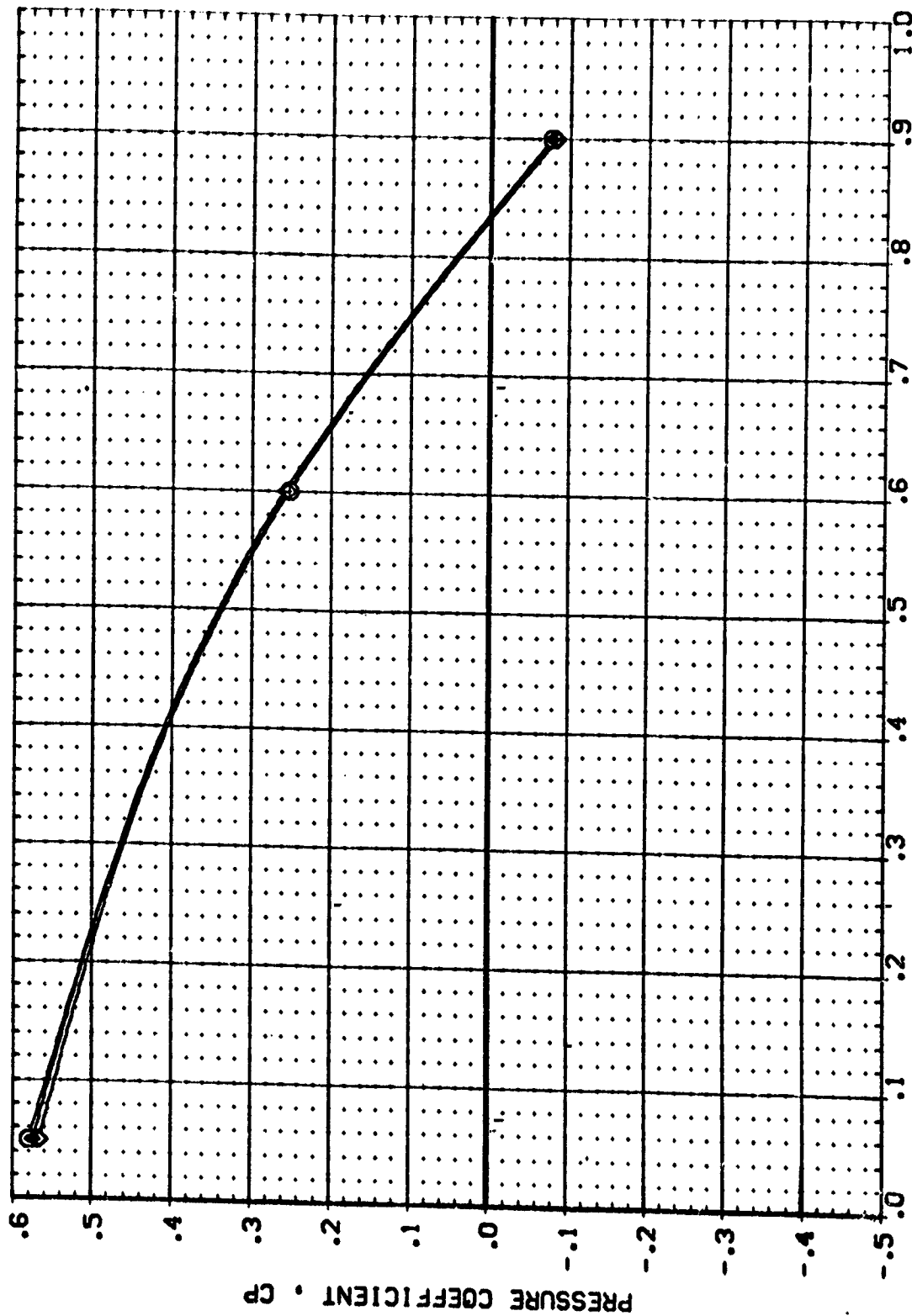
.433
.433
.433
.433

SWPR

.469
1.050
1.750
2.000

GIMBAL

1.000
2.000
2.000
2.000



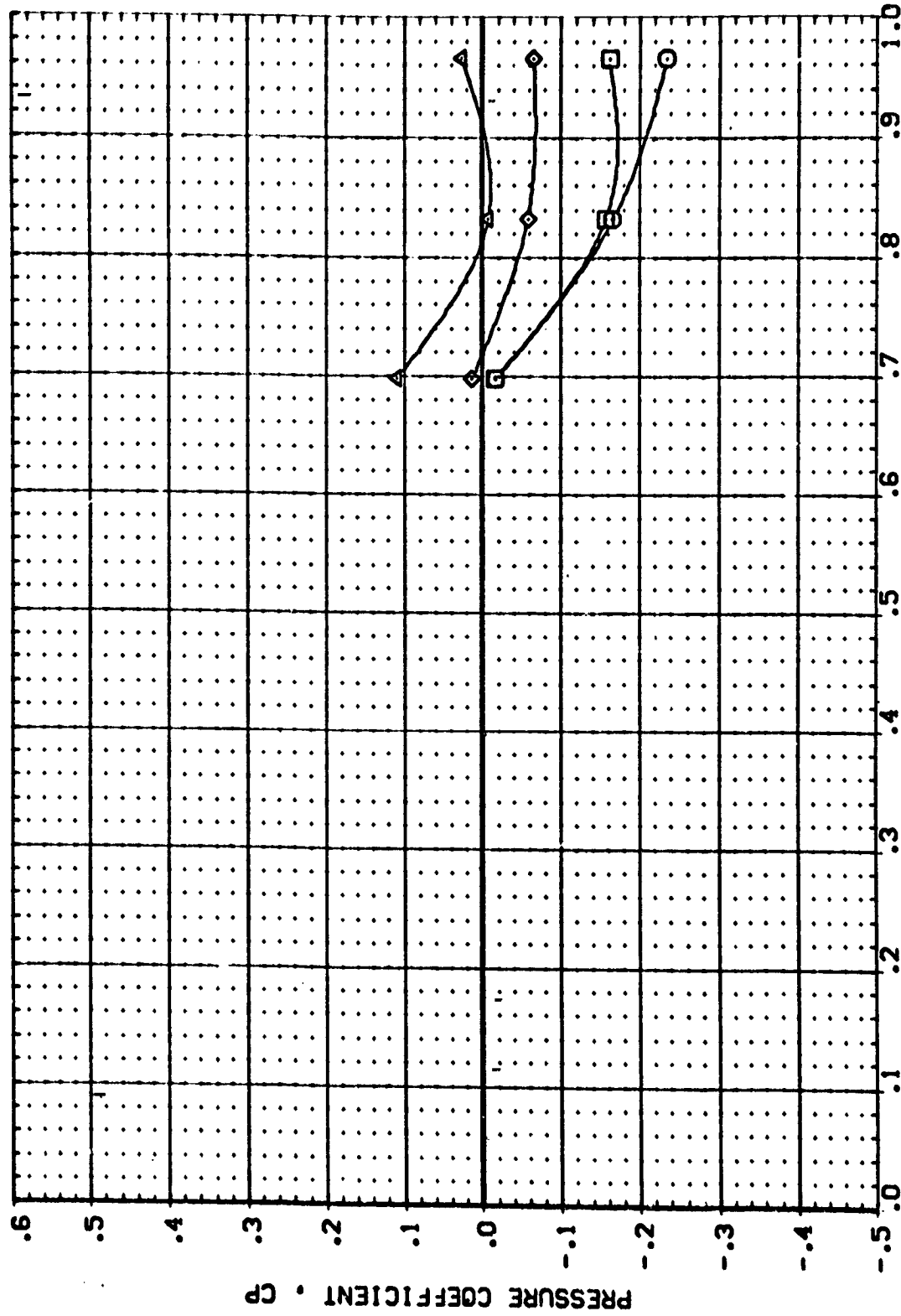
CHORDWISE LOCATION - X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV834) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV840) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV848) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER DPR SDRR GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000



CHORDWISE LOCATION · X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RWB34) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11

(RWB40) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11

(RWB49) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11

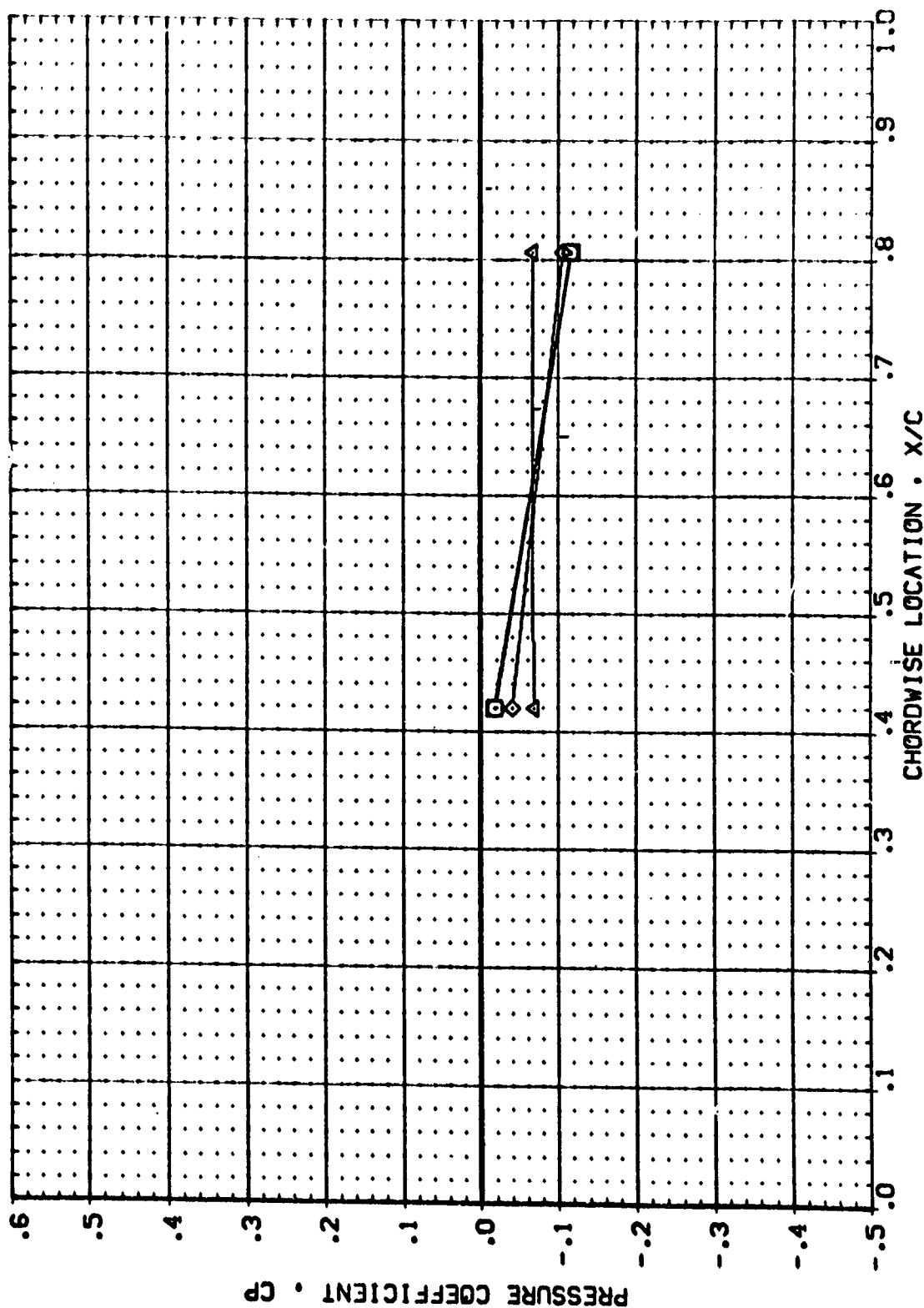
(RWB48) ARC 57-710 1A128 01 T1 S1(BOTTOM VING)11

POWER DPR SWPR GINS-L

1.000 .409 .557 1.000

1.000 .409 1.245 2.000

1.000 .409 2.128 2.000

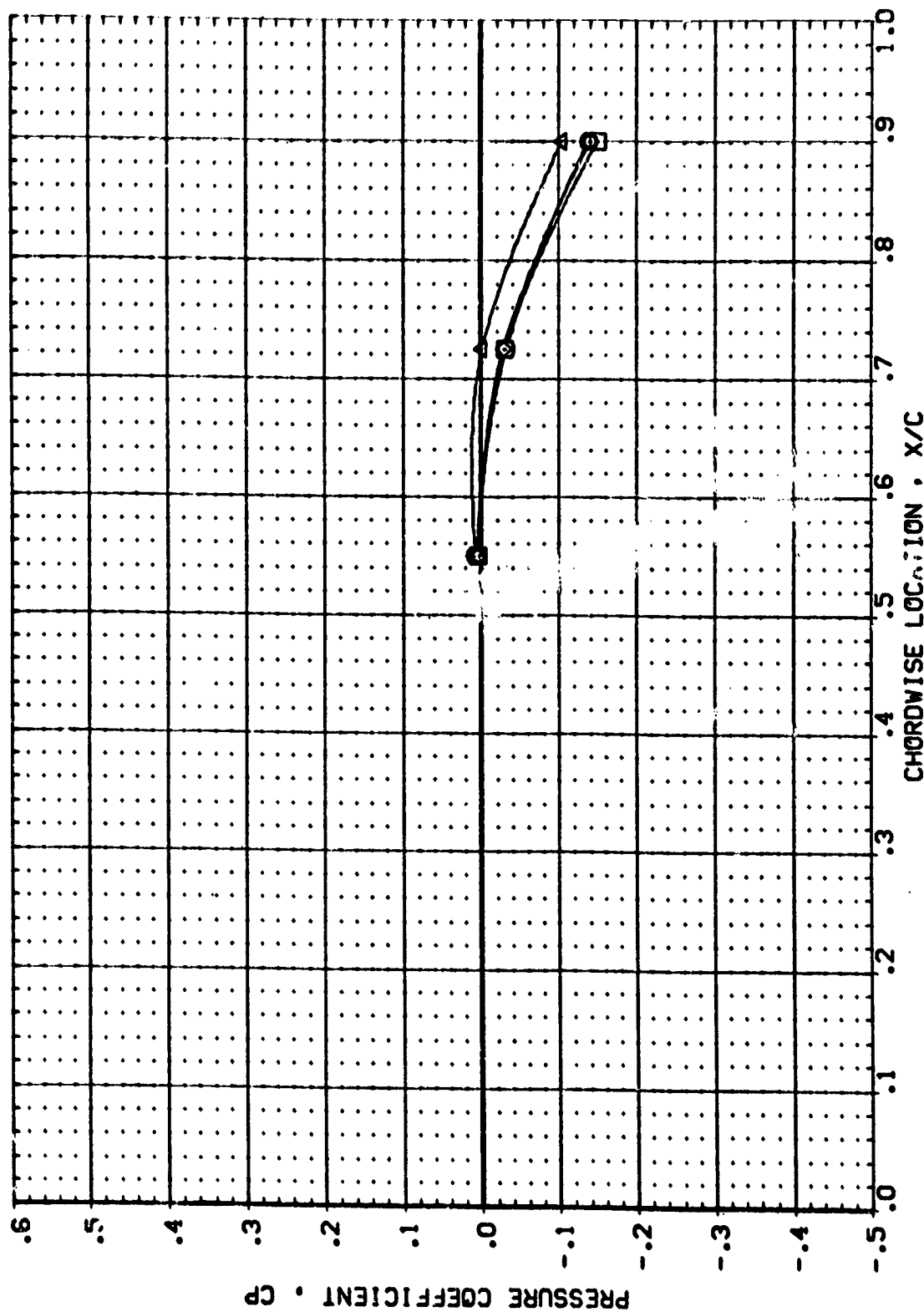


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTOR
 (RWB34) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RWB40) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RWB45) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RWB48) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER THR SWPR GINBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000



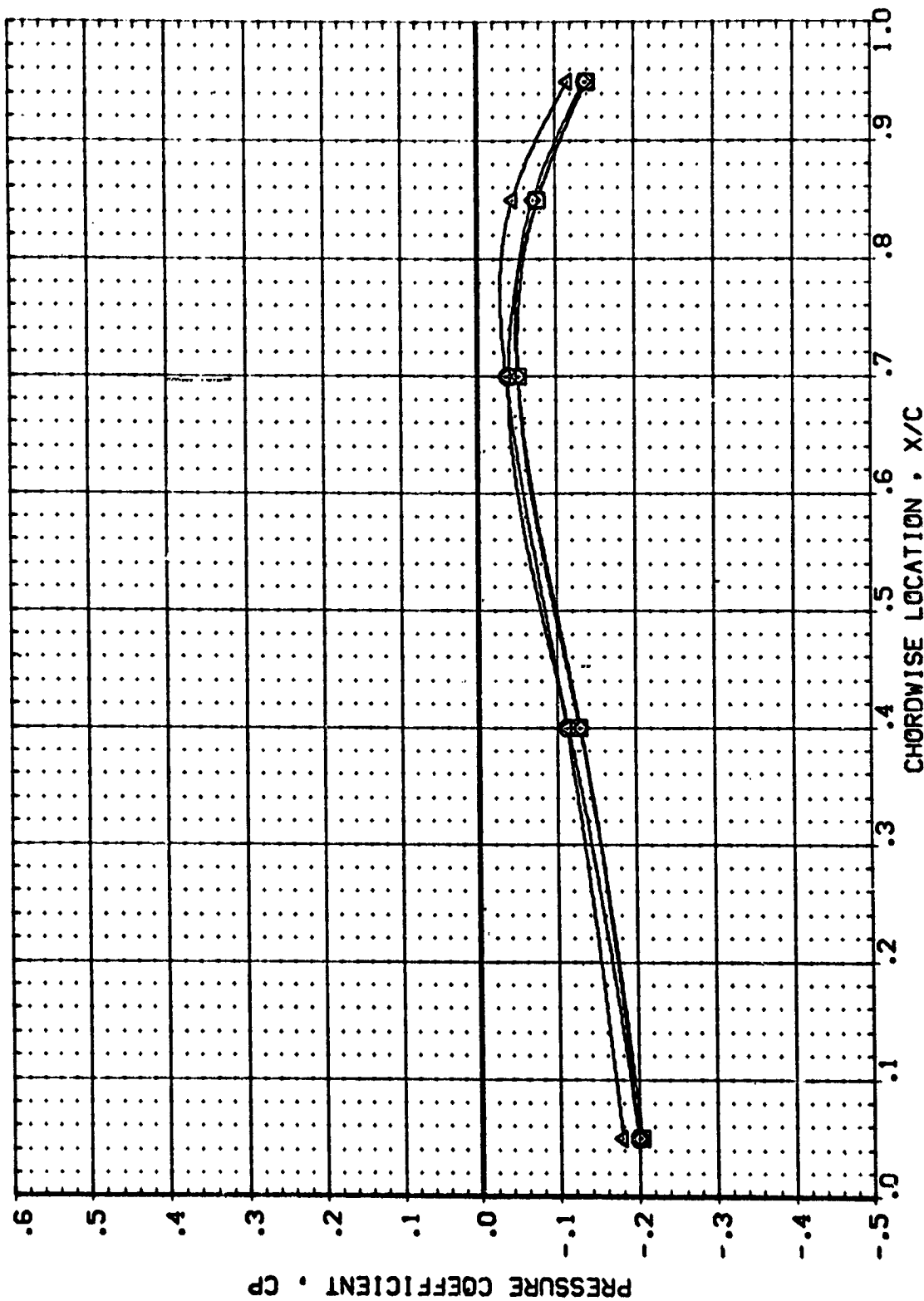
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .534 PAGE 237

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R8V834) ARC 97-710 IAI28 01 T1 SI (BOTTOM VING) I I
 (R8V840) ARC 97-710 IAI28 01 T1 SI (BOTTOM VING) I I
 (R8V848) ARC 97-710 IAI28 01 T1 SI (BOTTOM VING) I I
 (R8V846) ARC 97-710 IAI28 01 T1 SI (BOTTOM VING) I I

POWER DFR SRMPR GIMBAL
 .000 .409 .557 1.000
 1.000 1.245 2.000
 1.000 2.128 2.000

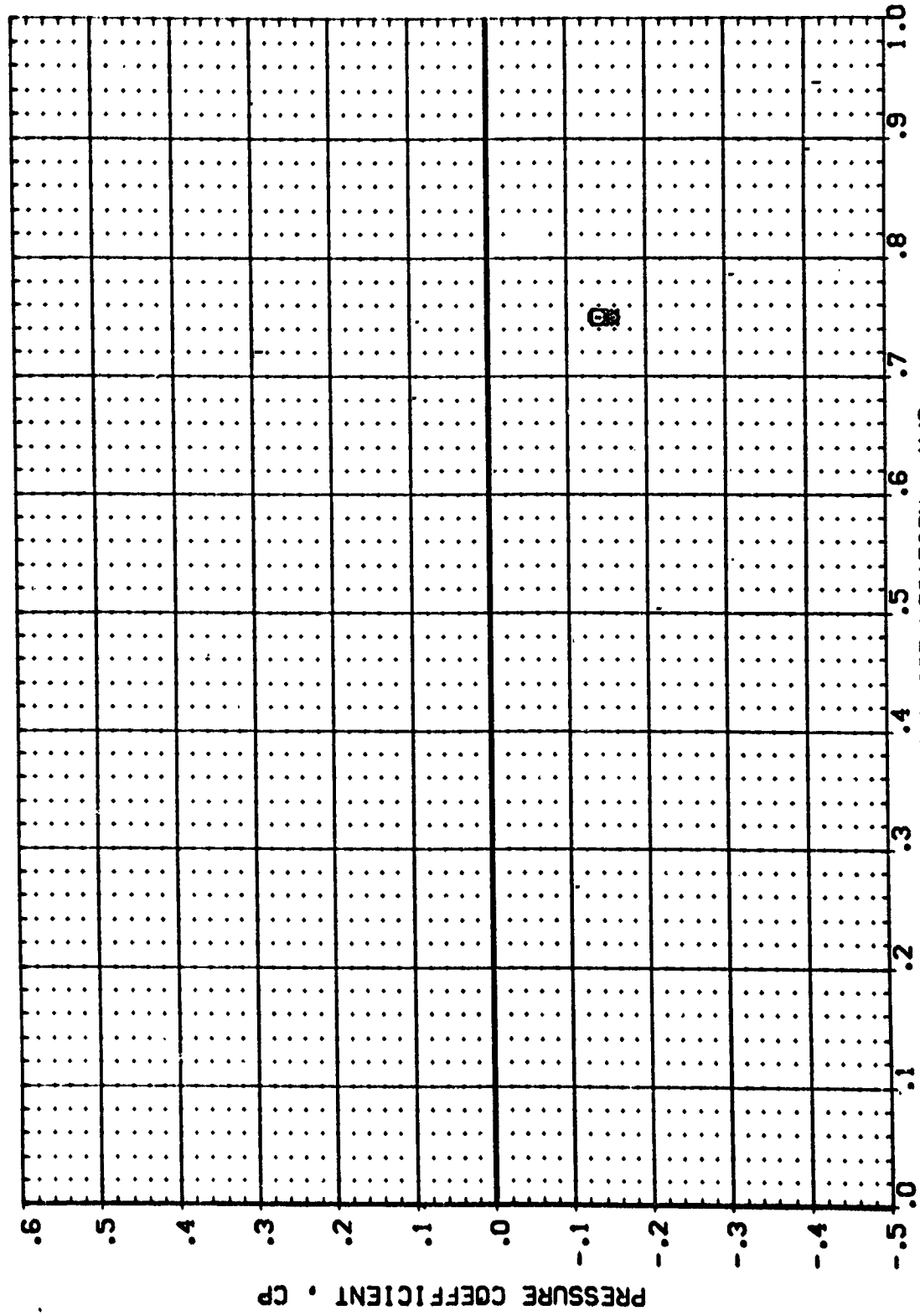


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V834) ARC 97-710 A128 O1 T1 S1(BOTTOM VING)11
 (R8V840) ARC 97-710 A128 O1 T1 S1(BOTTOM VING)11
 (R8V849) ARC 97-710 A128 O1 T1 S1(BOTTOM VING)11
 (R8V848) ARC 97-710 A128 O1 T1 S1(BOTTOM VING)11

POWER CDR SRRR GIMBAL
 .000 .557 1.000
 1.000 1.245 2.000
 1.000 .409 2.128

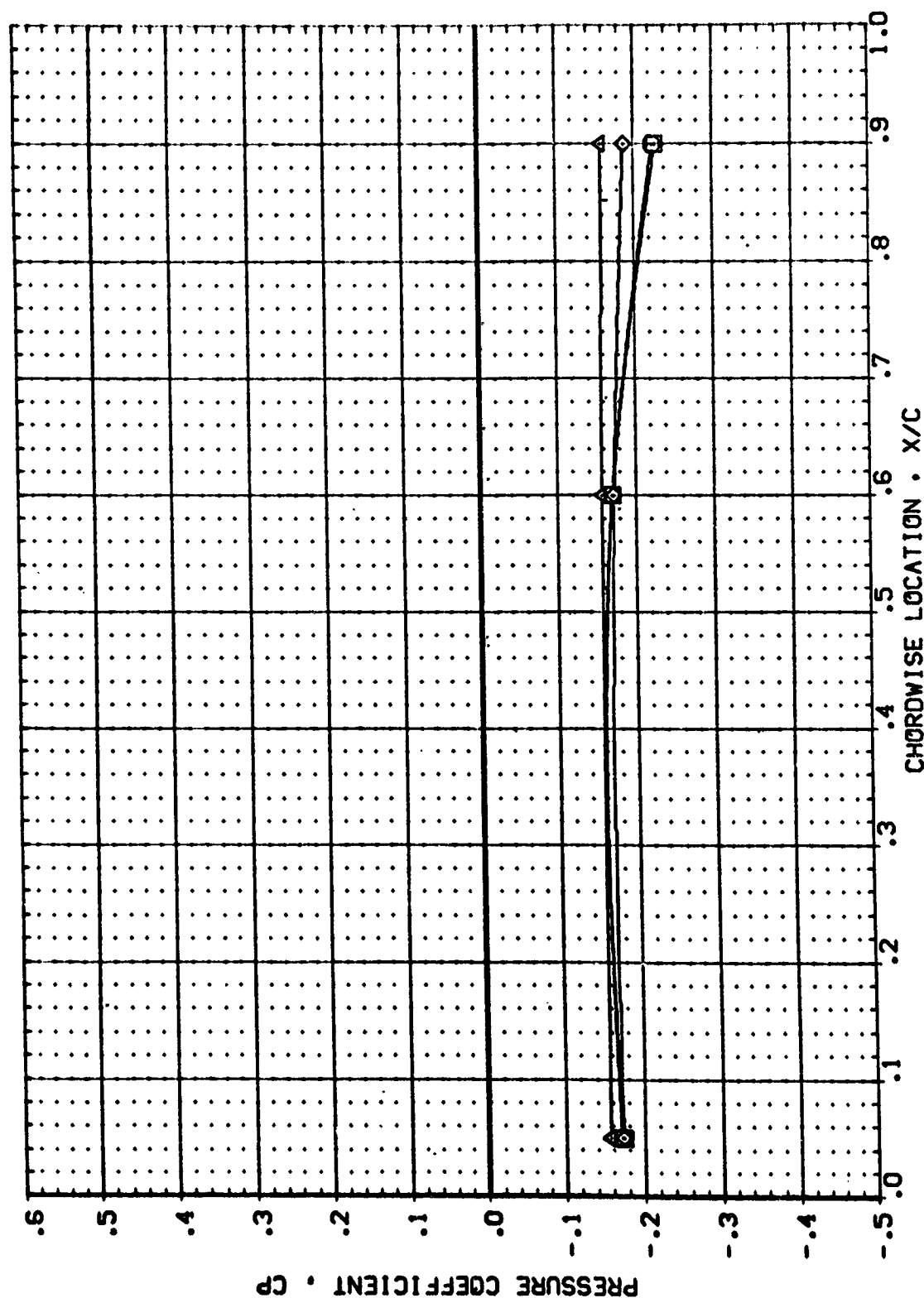


CHORDWISE LOCATION, X/C
 PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .780 PAGE 239

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVB34) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBVB40) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBVB45) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBVB48) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

POWER DPR SWPR GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000

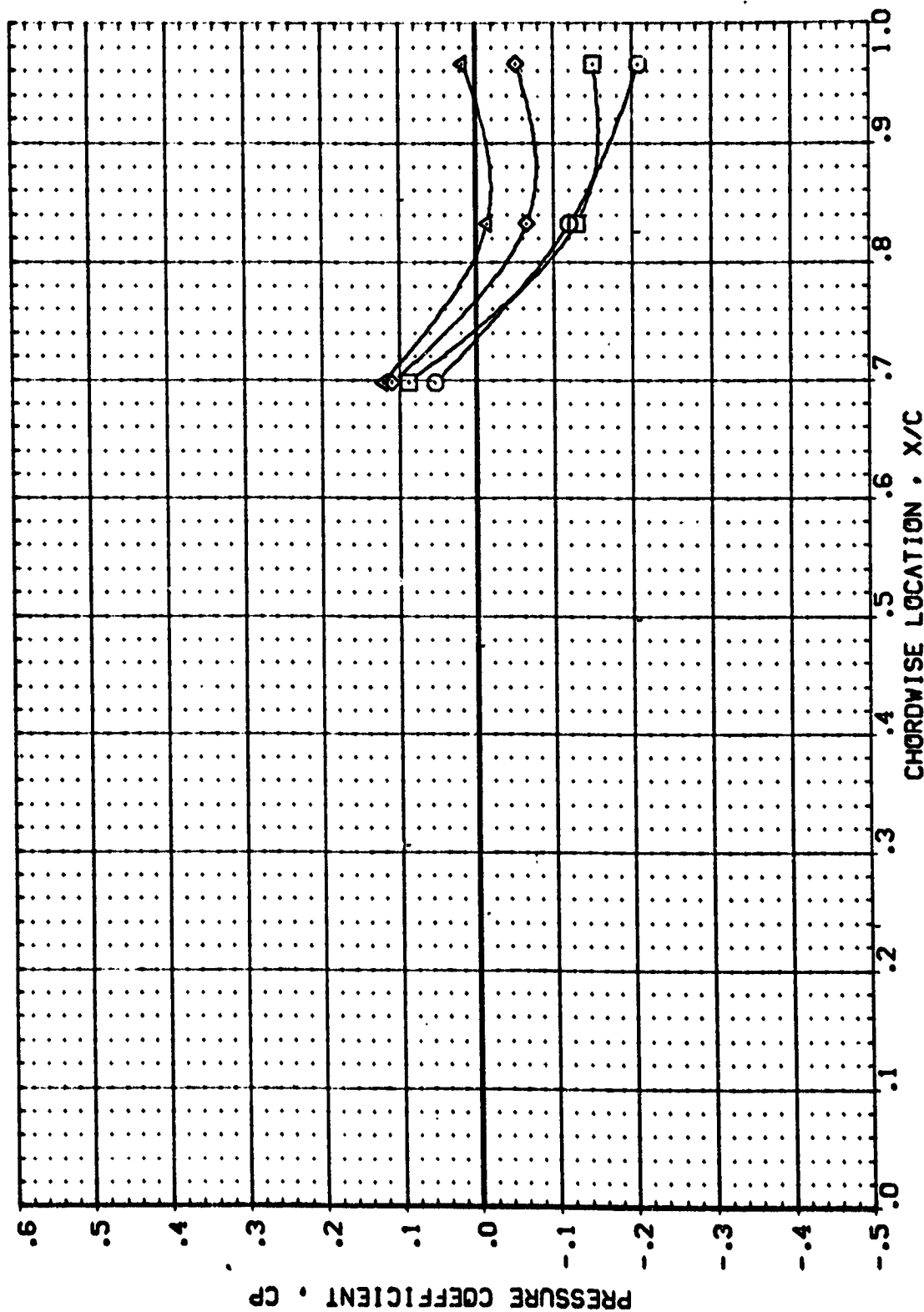


CHORDWISE LOCATION · X/C
 PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .887
 PAGE 240

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV834) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSV840) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSV848) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RSV818) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]

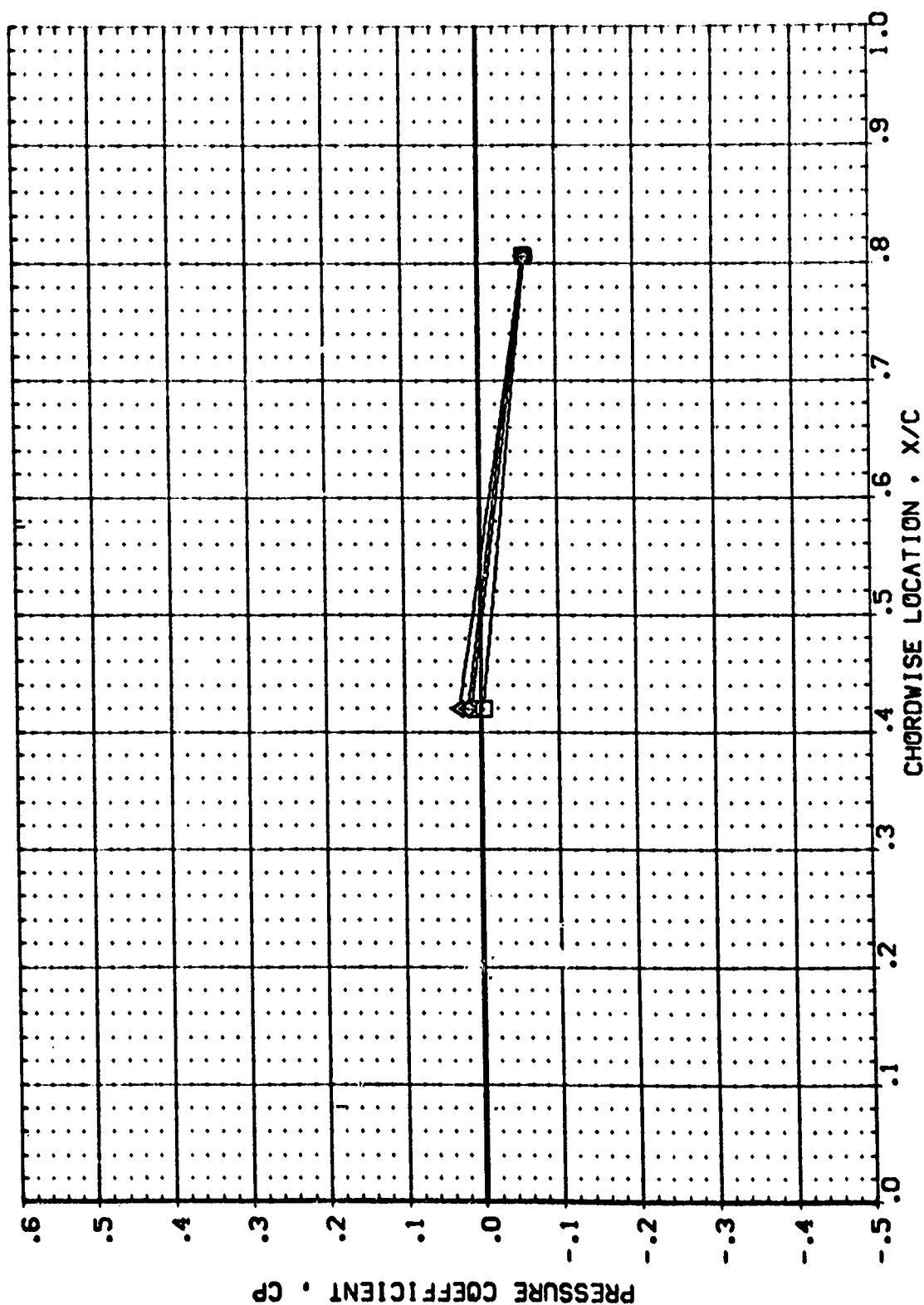
POWER DFR SR-PR GIMBAL
 .000 .409 .557 1.000
 1.000 1.000 1.245 2.000
 1.000 .409 2.128 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .299

POWER	OPR	SRMPR	GINBAL
.000			1.000
1.000	.409	.557	2.000
1.000	.409	1.245	2.000
1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .427

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

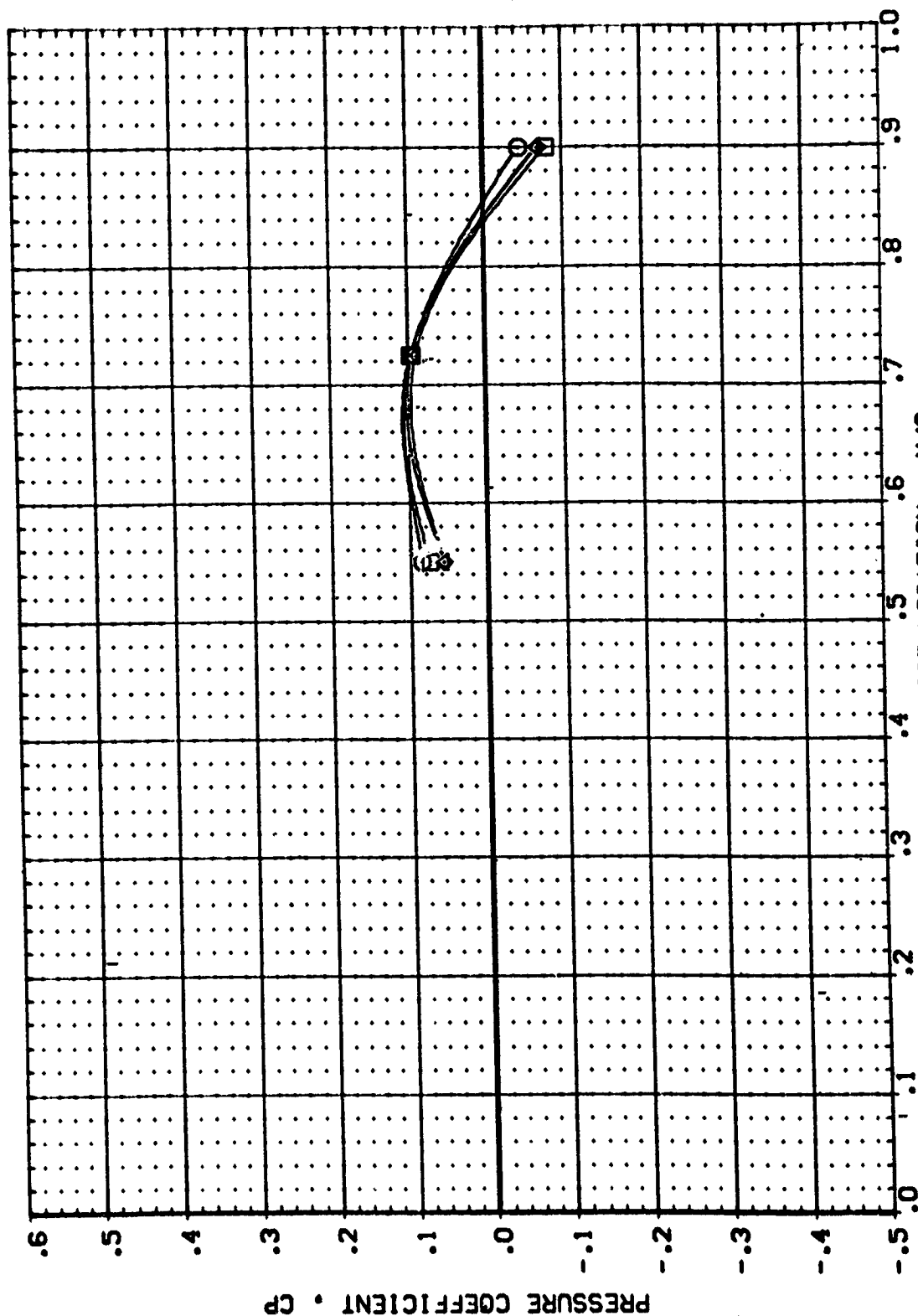
[REV834] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [REV840] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [REV849] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111
 [REV848] ARC 97-710 1A128 01 T1 S1(BOTTOM WING)111

POWER .000
 .000
 1.000
 1.000
 1.000

OPR .409
 .409
 .409
 .409
 .409

SRPR .557
 1.245
 1.245
 1.245
 1.245

GINBAL 1.000
 1.000
 2.000
 2.000
 2.000



CHORDWISE LOCATION, X/C

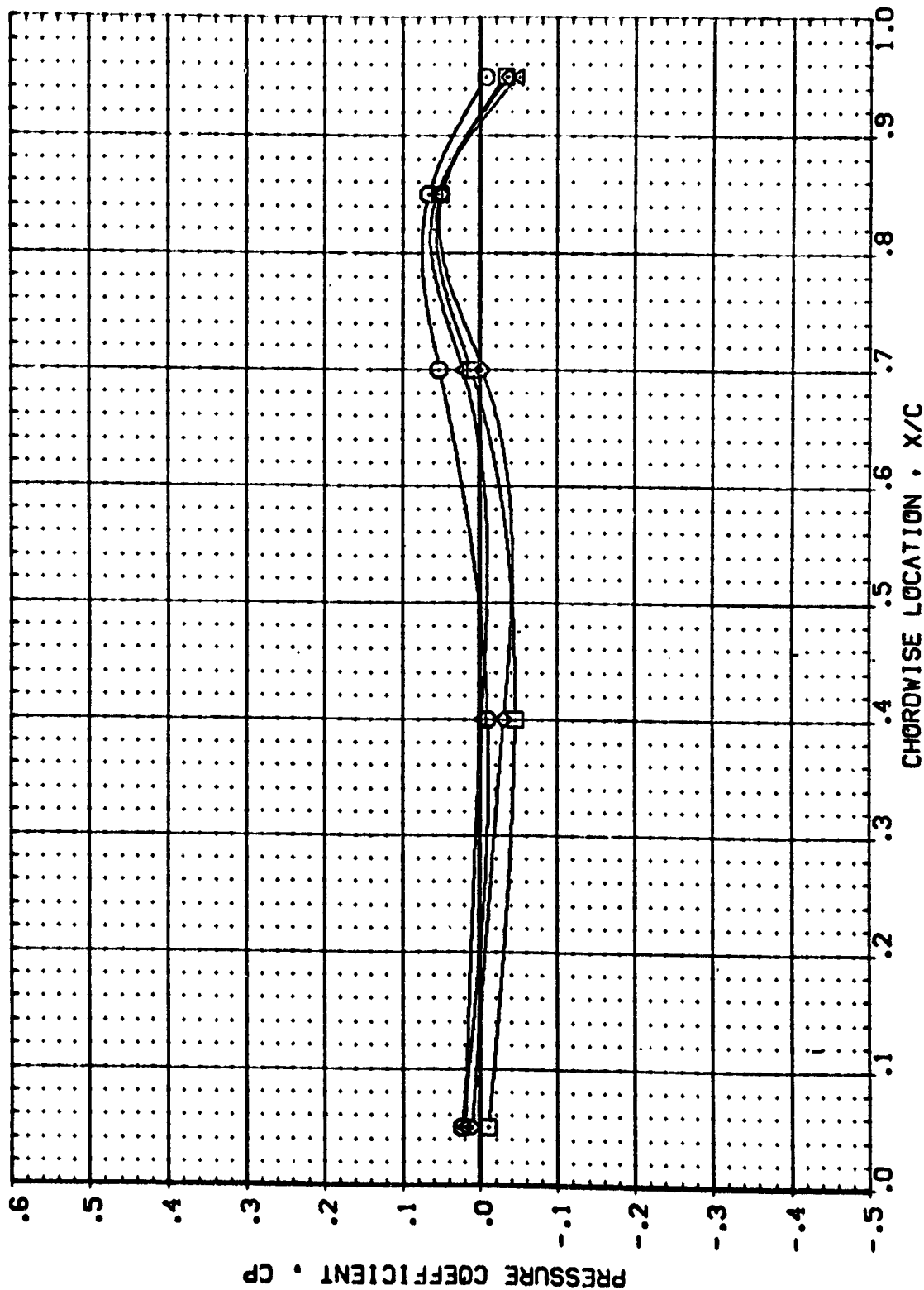
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RNVB34) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)II
 (RNVB40) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)II
 (RNVB49) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)II
 (RNVB48) ARC 97-710 IAI28 OI TI SI(BOTTOM VING)II

POWER OPR SR-PR GINGAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000

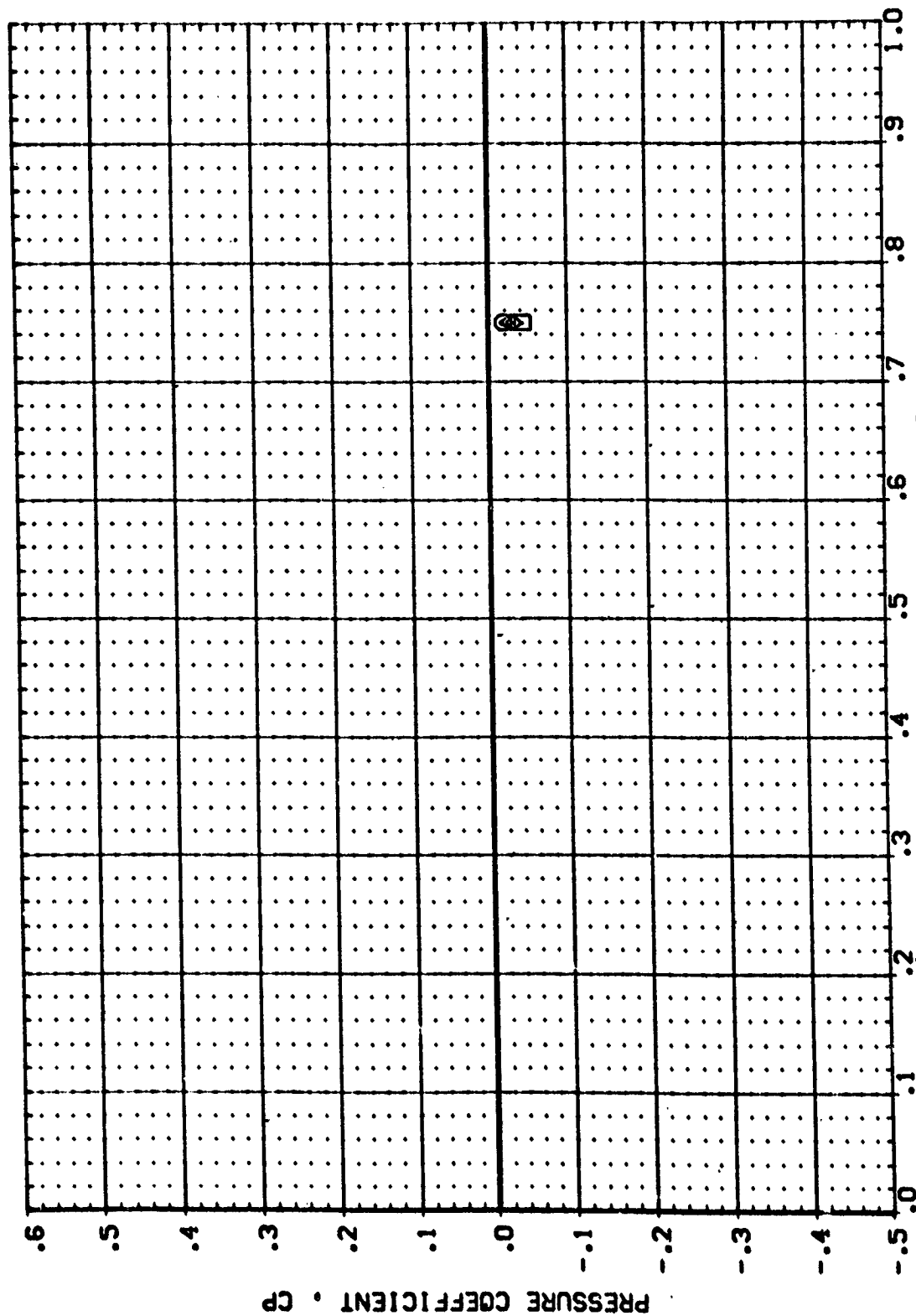


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV834) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV840) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV849) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV848) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER CDR SDRP GINBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000

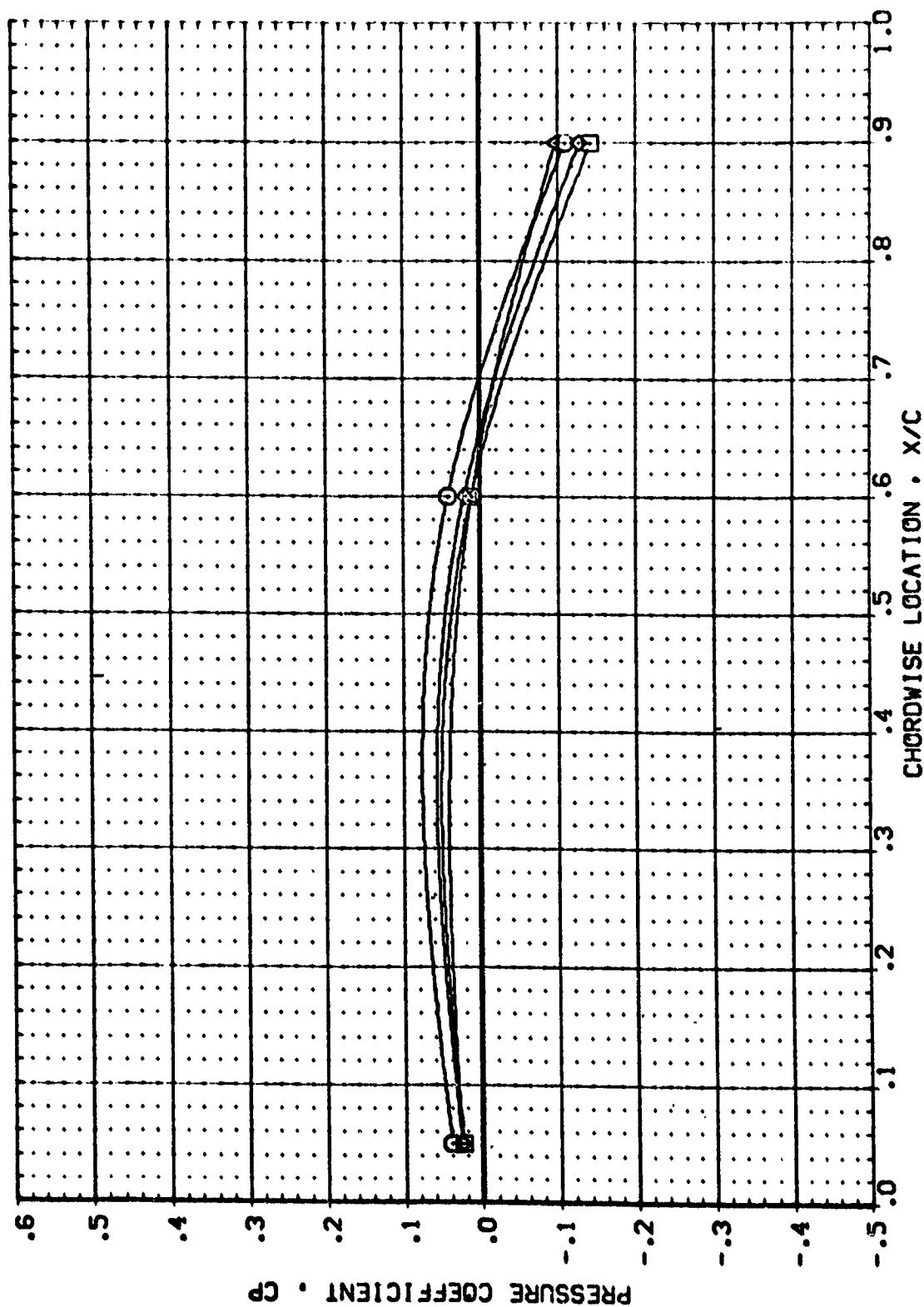


CHORDWISE LOCATION - X/C
 PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .780 PAGE 245

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8V834) [Symbol] ARC 97-710 IAI28 OI TI SILENTION WING III
 (R8V840) [Symbol] ARC 97-710 IAI28 OI TI SILENTION WING III
 (R8V849) [Symbol] ARC 97-710 IAI28 OI TI SILENTION WING III
 (R8V848) [Symbol] ARC 97-710 IAI28 OI TI SILENTION WING III

POWER CPR SWPR GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000

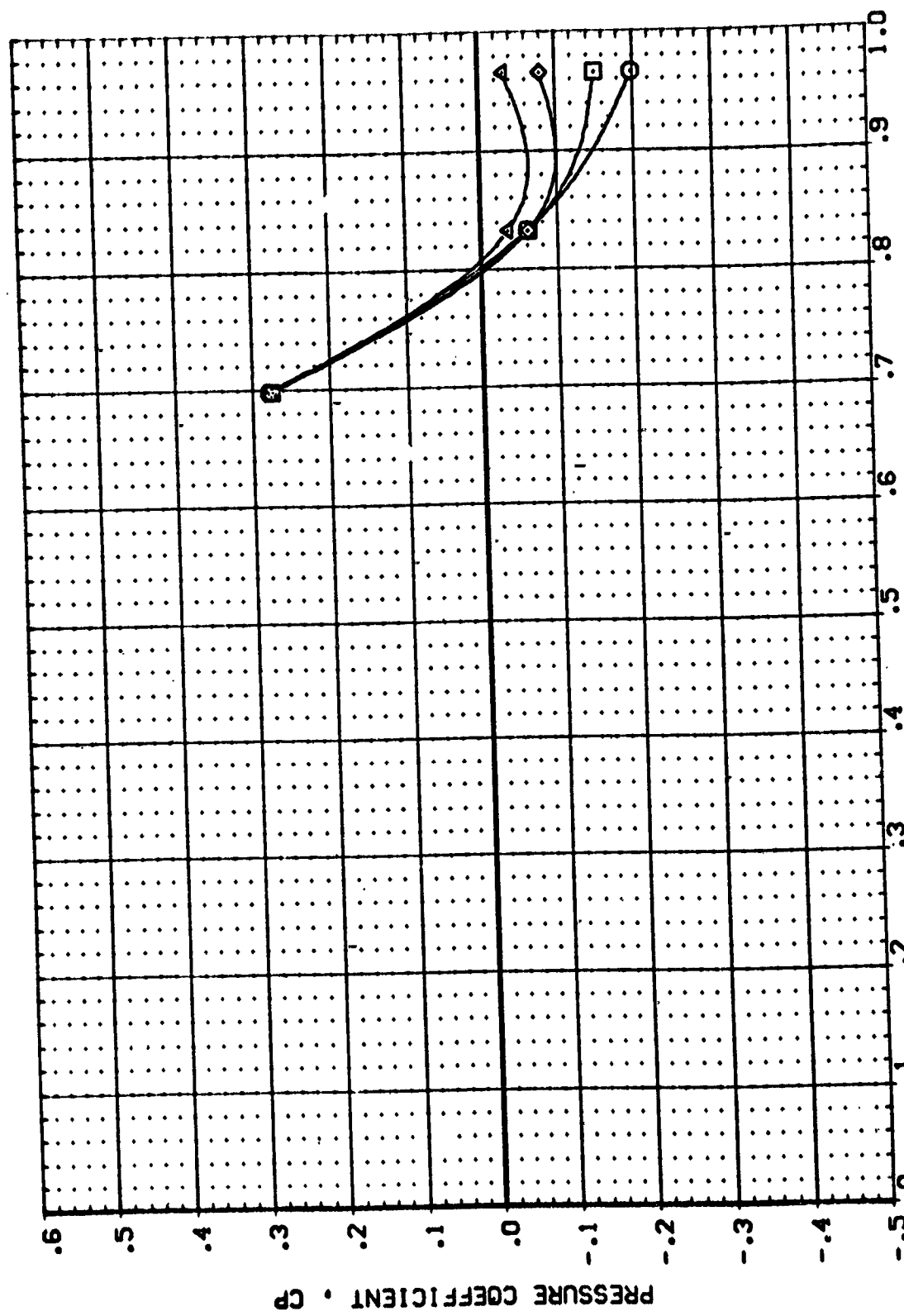


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION POWER QPR SPPR GIBAL

(RWB34)	ARC 97-710	1A128 01 T1 S1(BOTTOM VING)11	.000	.409	.557	1.000
(RWB40)	ARC 97-710	1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	1.245	2.000
(RWB49)	ARC 97-710	1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	1.245	2.000
(RWB48)	ARC 97-710	1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	1.245	2.000



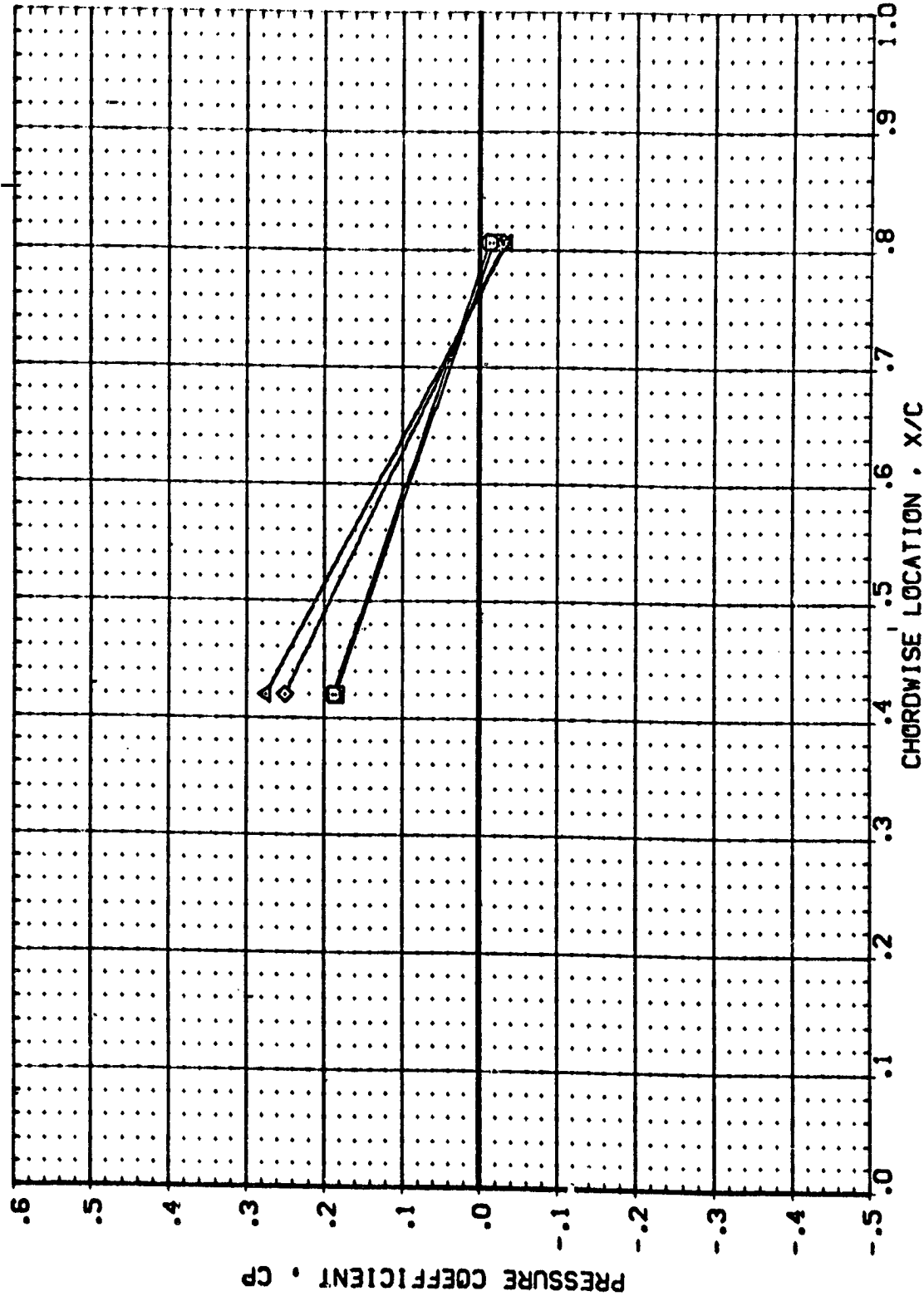
PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .299

PAGE 247

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV834) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV840) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV849) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11
 (RBV848) ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11

POWER C/P SRMP GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000

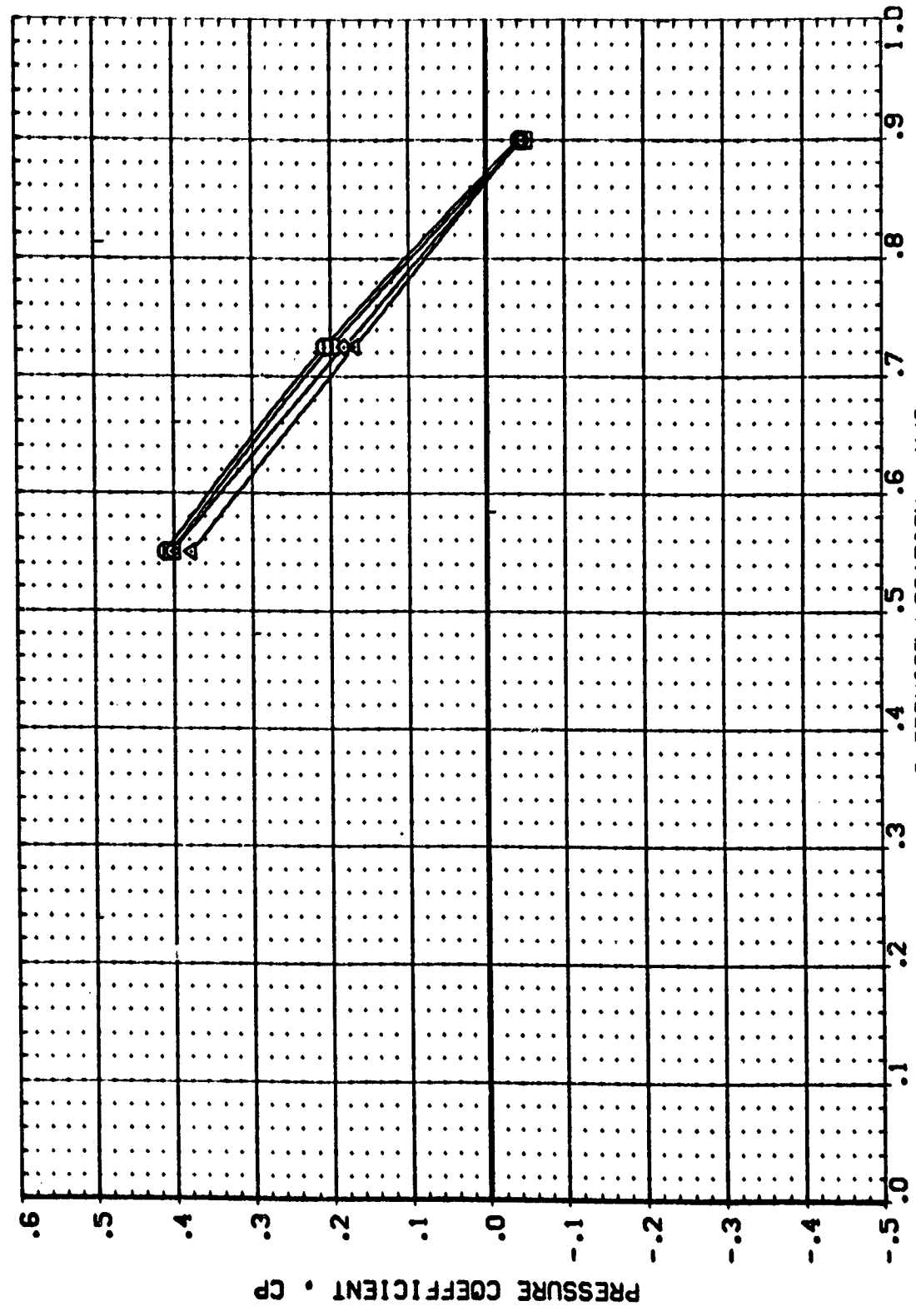


PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV834) ARC 97-710 IAI28 OI TI SITE(BOTTOM WING)II
 (RBV840) ARC 97-710 IAI28 OI TI SITE(BOTTOM WING)II
 (RBV849) ARC 97-710 IAI28 OI TI SITE(BOTTOM WING)II
 (RBV848) ARC 97-710 IAI28 OI TI SITE(BOTTOM WING)II

POWER OPR SWR-R GIMBAL
 .000 .409 .557 1.000
 1.000 .409 1.245 2.000
 1.000 .409 2.128 2.000



CHORDWISE LOCATION • X/C

PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION:

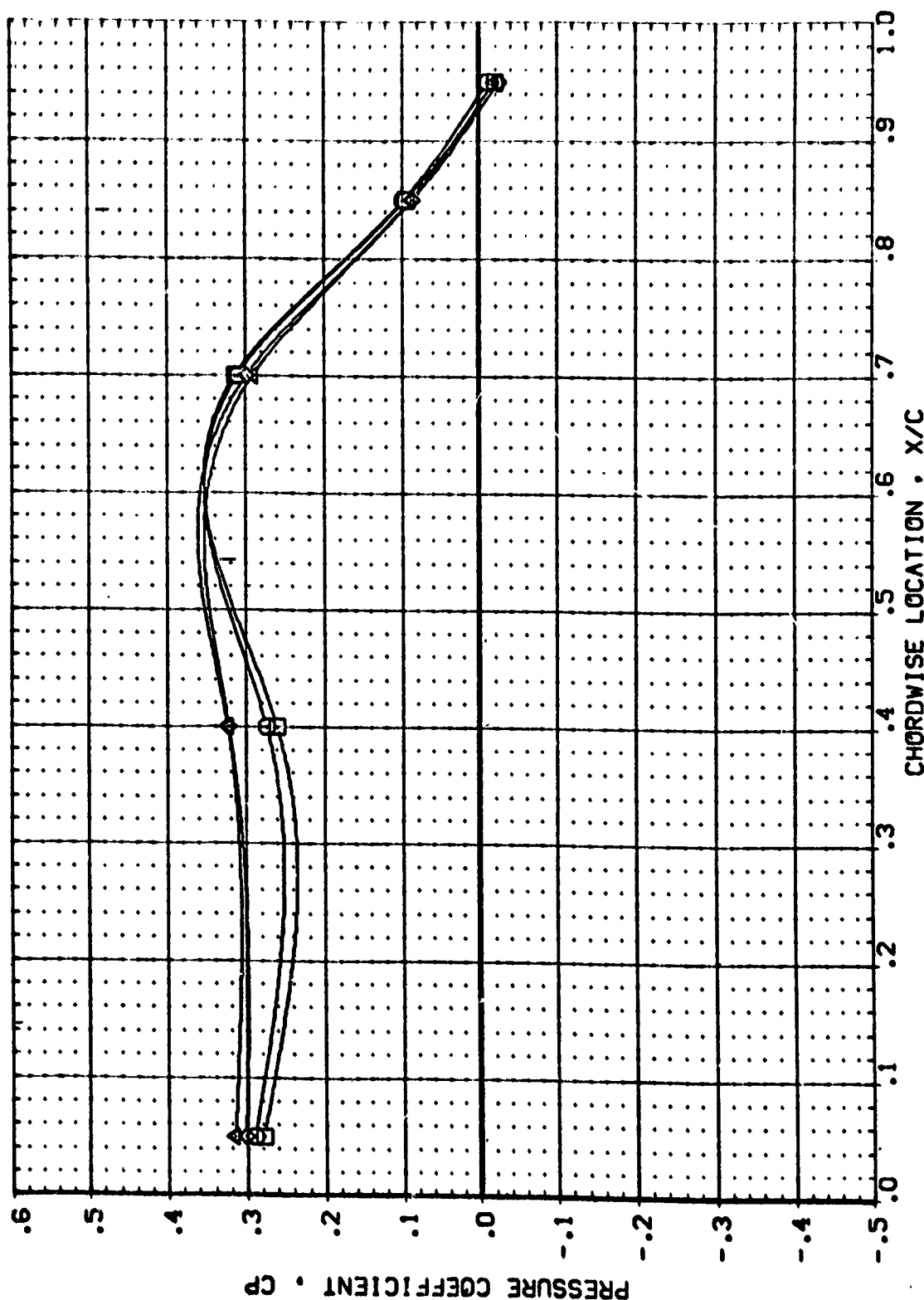
(RS/B34) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RS/B40) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RS/B49) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RS/B48) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11

POWER 0.000
 1.000
 1.000
 1.000

OPR .409
 .409
 .409

SDPR 1.000
 1.000
 1.000

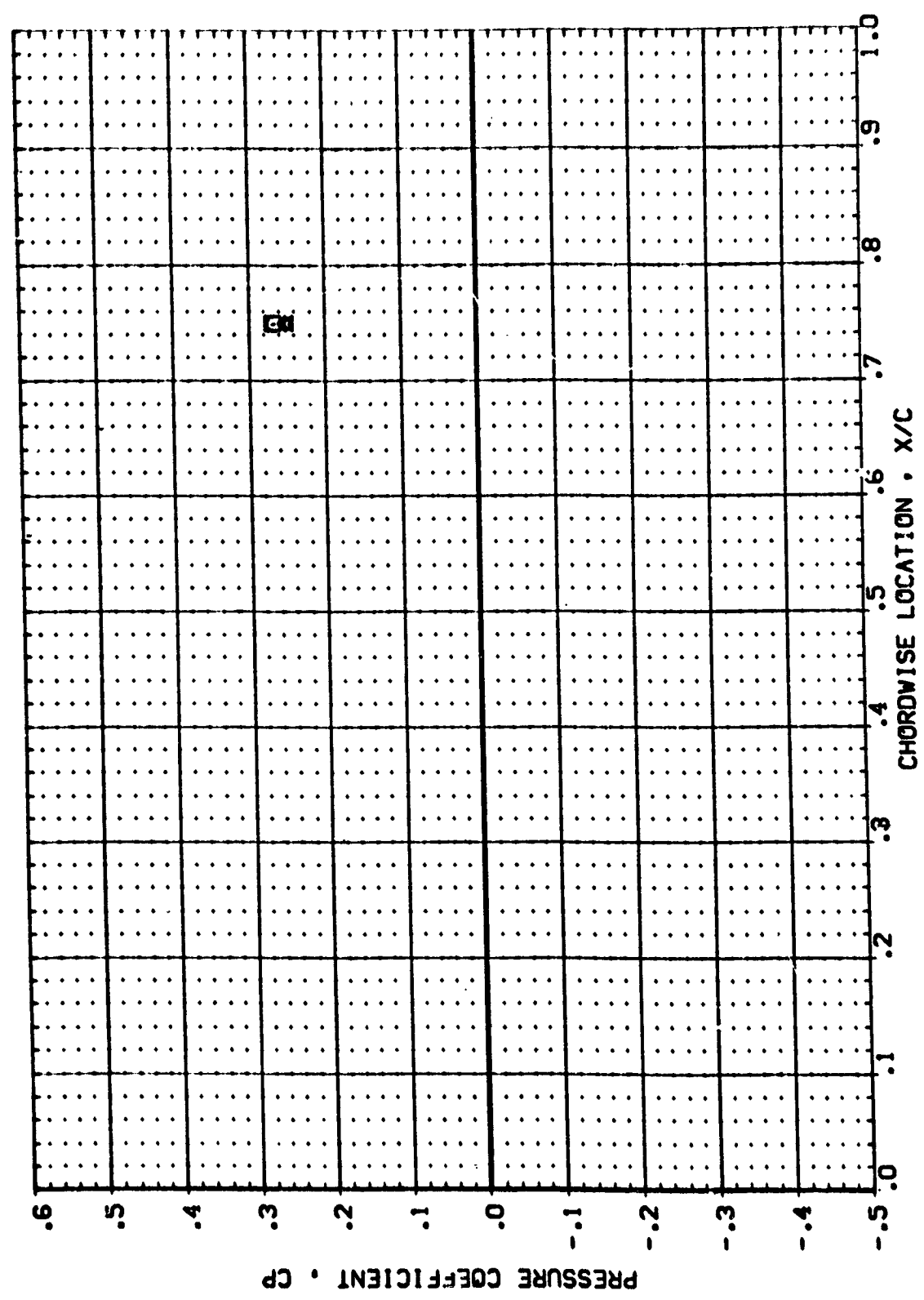
GINBAL 1.000
 2.000
 2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .673

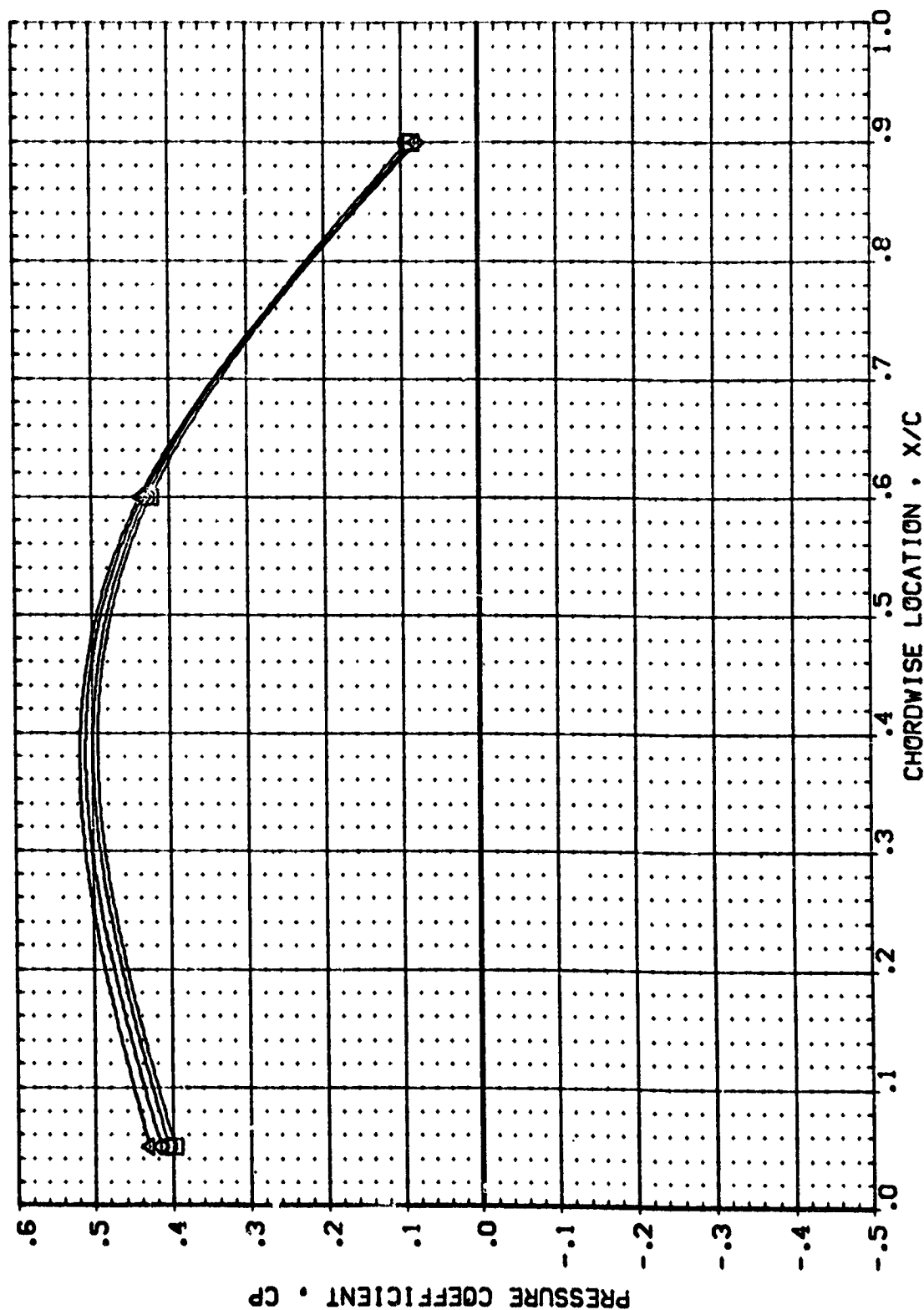
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SMR	GINENL
(RSV834)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	.000			1.000
(RSV840)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	.557	2.000
(RSV848)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	1.245	2.000
(RSV848)	ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 9.450 ETA = .780

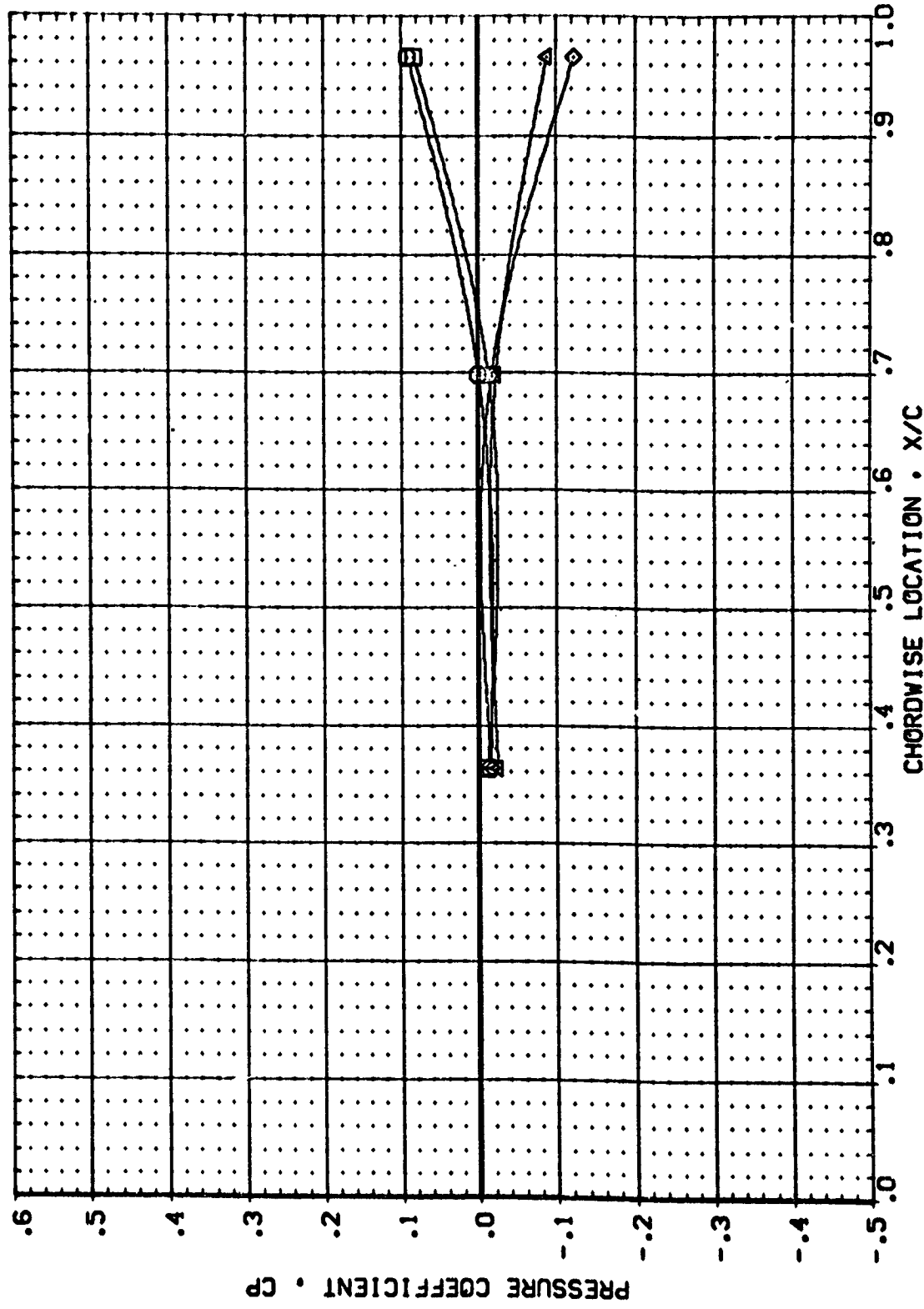
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SNRPR	GIMBAL
(RBV824)	□	ARC 97-710 IAI28 CI TI SI(BOTTOM VING)11	.000	.409	.557	1.000
(RBV840)	□	ARC 97-710 IAI28 CI TI SI(BOTTOM VING)11	1.000	.409	1.245	2.000
(RBV845)	□	ARC 97-710 IAI28 CI TI SI(BOTTOM VING)11	1.000	.409	2.128	2.000



PLUME SIZE W/NOZZLES UP EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .887

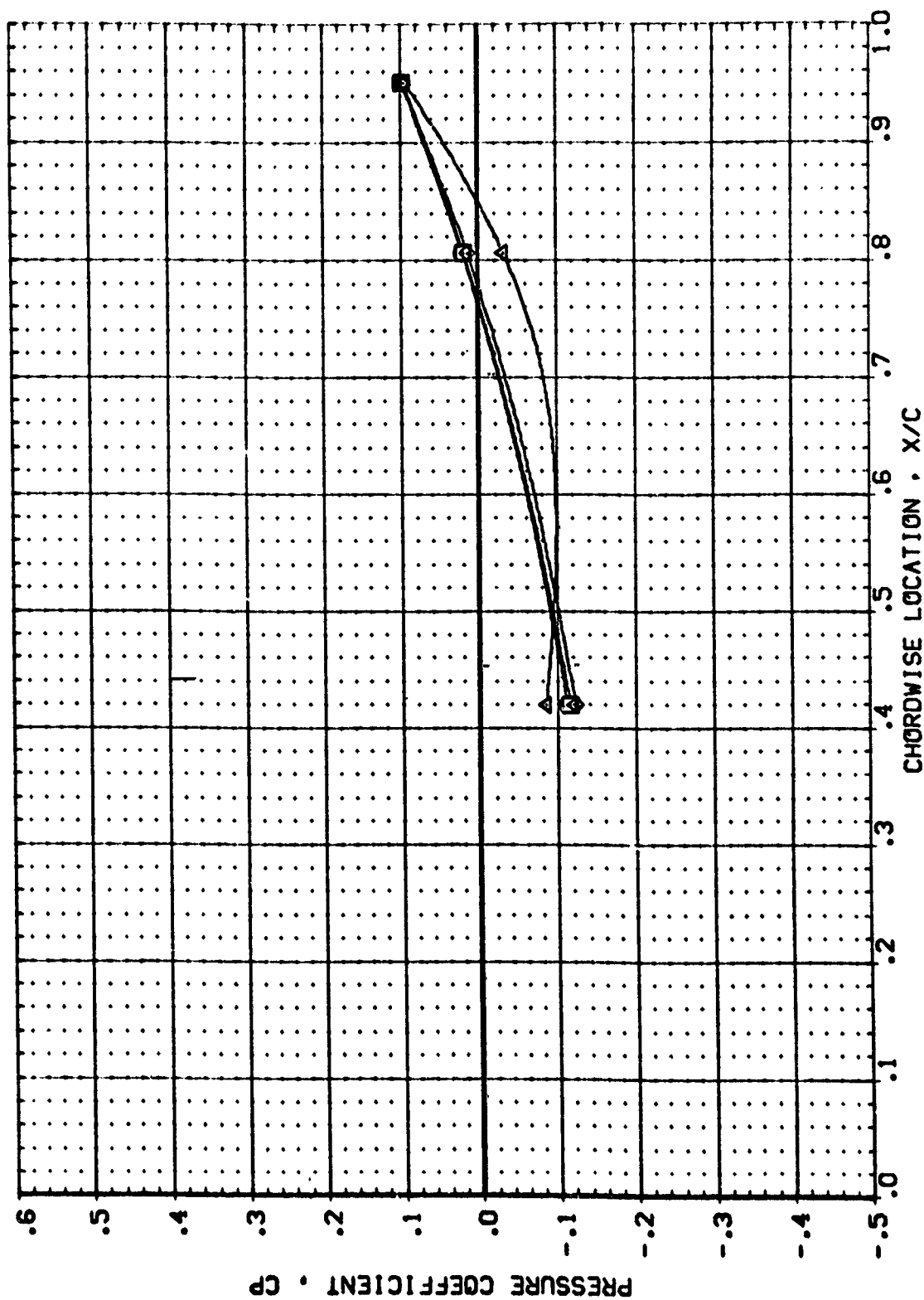
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDDER
[RBVT22]	ARC 97-710 IAI28 O1 T1 S1 (TOP VING)	.000			.000
[RBVT54]	ARC 97-710 IAI28 O1 T1 S2 (TOP VING)	.000			.000
[RBVT53]	ARC 97-710 IAI28 O1 T1 S2 (TOP VING)	1.000	.433	.469	.000
[RBVT52]	ARC 97-710 IAI28 O1 T1 S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .299

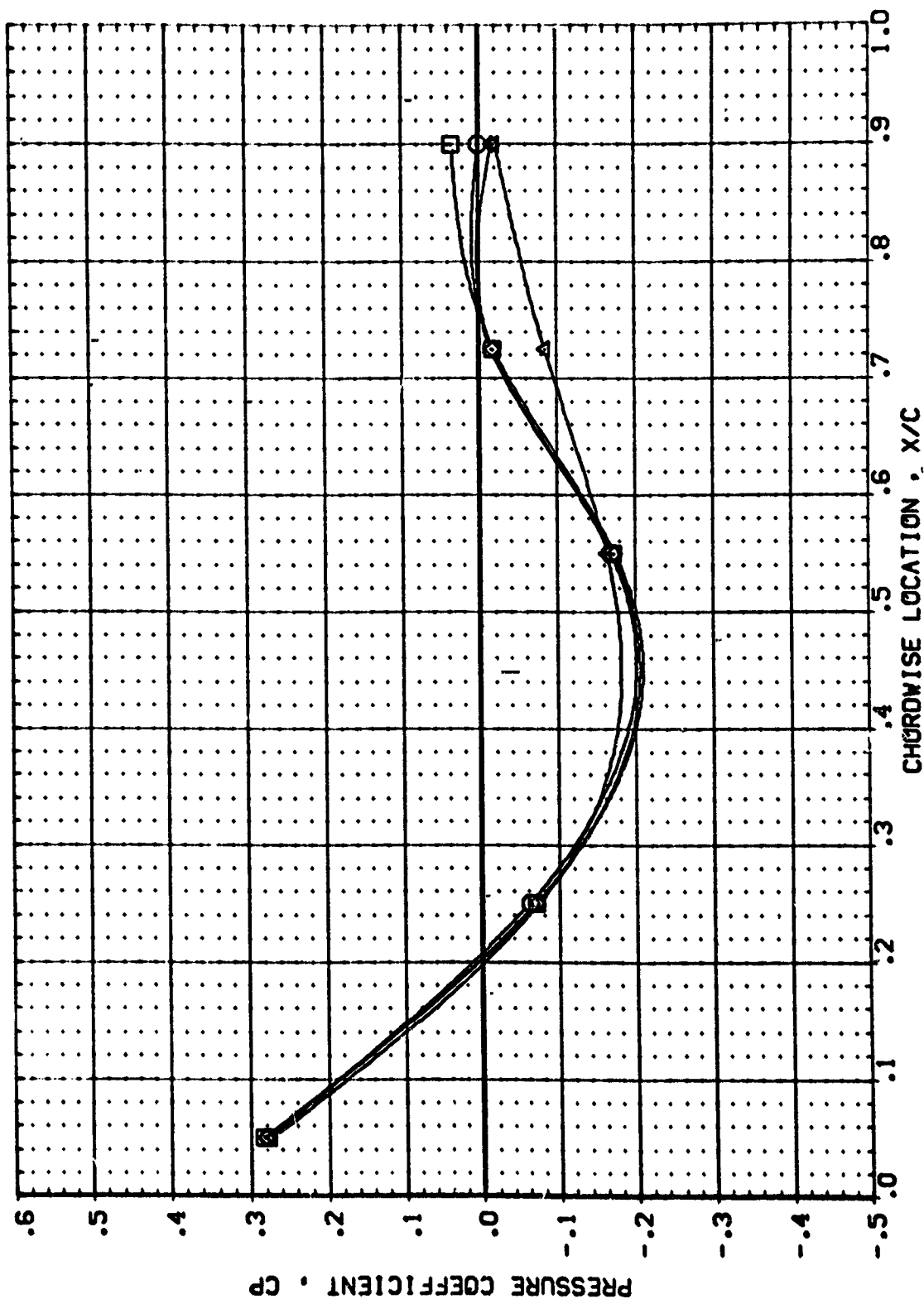
DATA SET SYMBL	CONFIGURATION DESCRIPTION	POWER	OPR	SNRPR	RUDDER
(RBV722)	ARC 97-710 IAI28 OI TI S1 (TOP VING)	.000			.000
(RBV754)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	.000			.000
(RBV753)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	1.000	.433	.469	.000
(RBV752)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	POWER	DPR	SRPR	RUDDER
(RBVT22)	□	ARC 97-710	TI S1 (TOP VING)	.000			.000
(RBVT54)	×	ARC 97-710	TI S2 (TOP VING)	.000	.433	.469	.000
(RBVT53)	×	ARC 97-710	TI S2 (TOP VING)	1.000	.433	1.050	.000
(RBVT52)	×	ARC 97-710	TI S2 (TOP VING)	1.000			.000

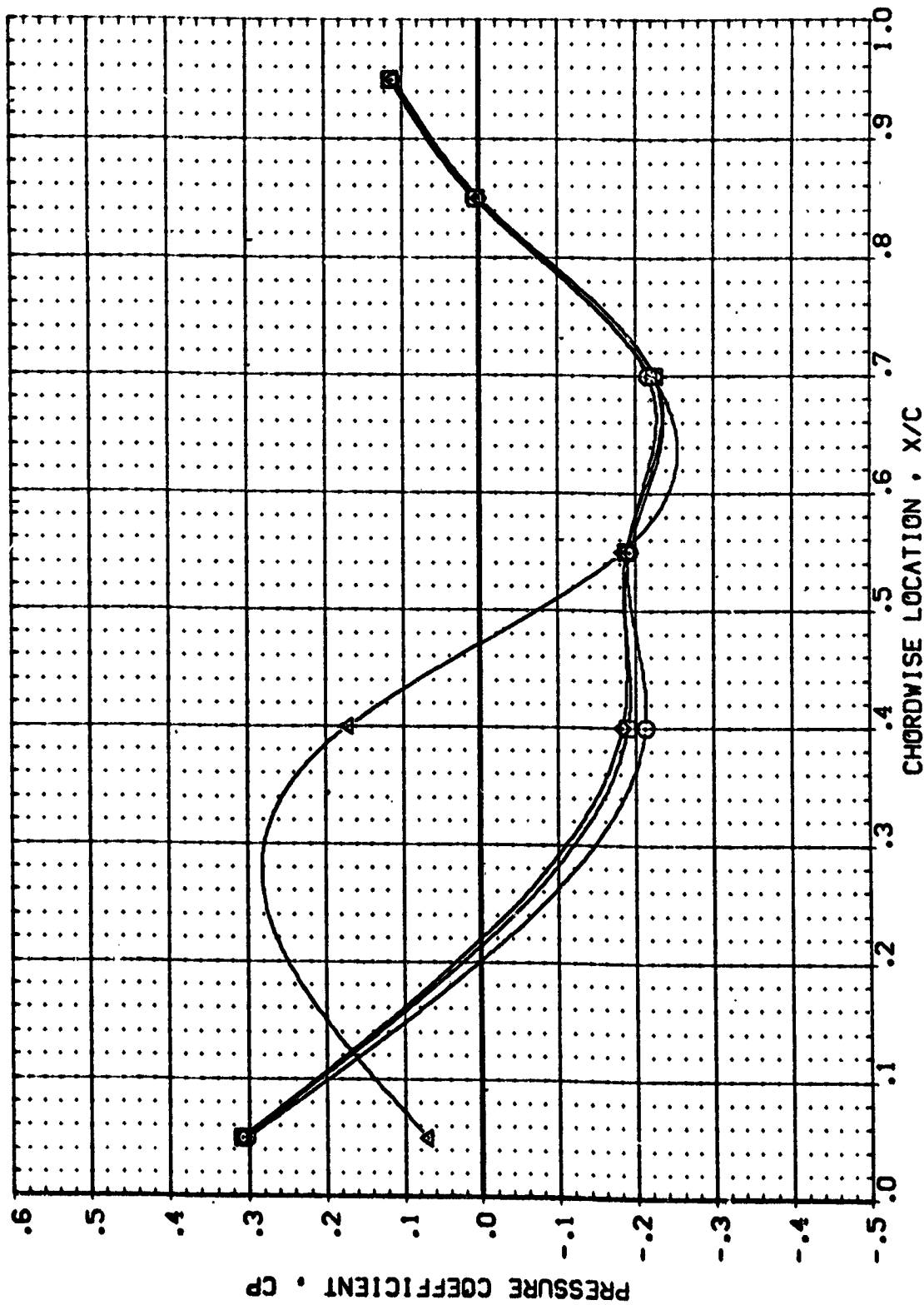


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT22) ARC 97-710 IAI28 OI TI S1 (TOP VING) II
 (RBVT54) ARC 97-710 IAI28 OI TI S2 (TOP VING) II
 (RBVT53) ARC 97-710 IAI28 OI TI S2 (TOP VING) II
 (RBVT52) ARC 97-710 IAI28 OI TI S2 (TOP VING) II

POWER QPR SHMR RUDDER
 .000 .000
 .000 .000
 1.000 .433 .469
 1.000 .433 1.050



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

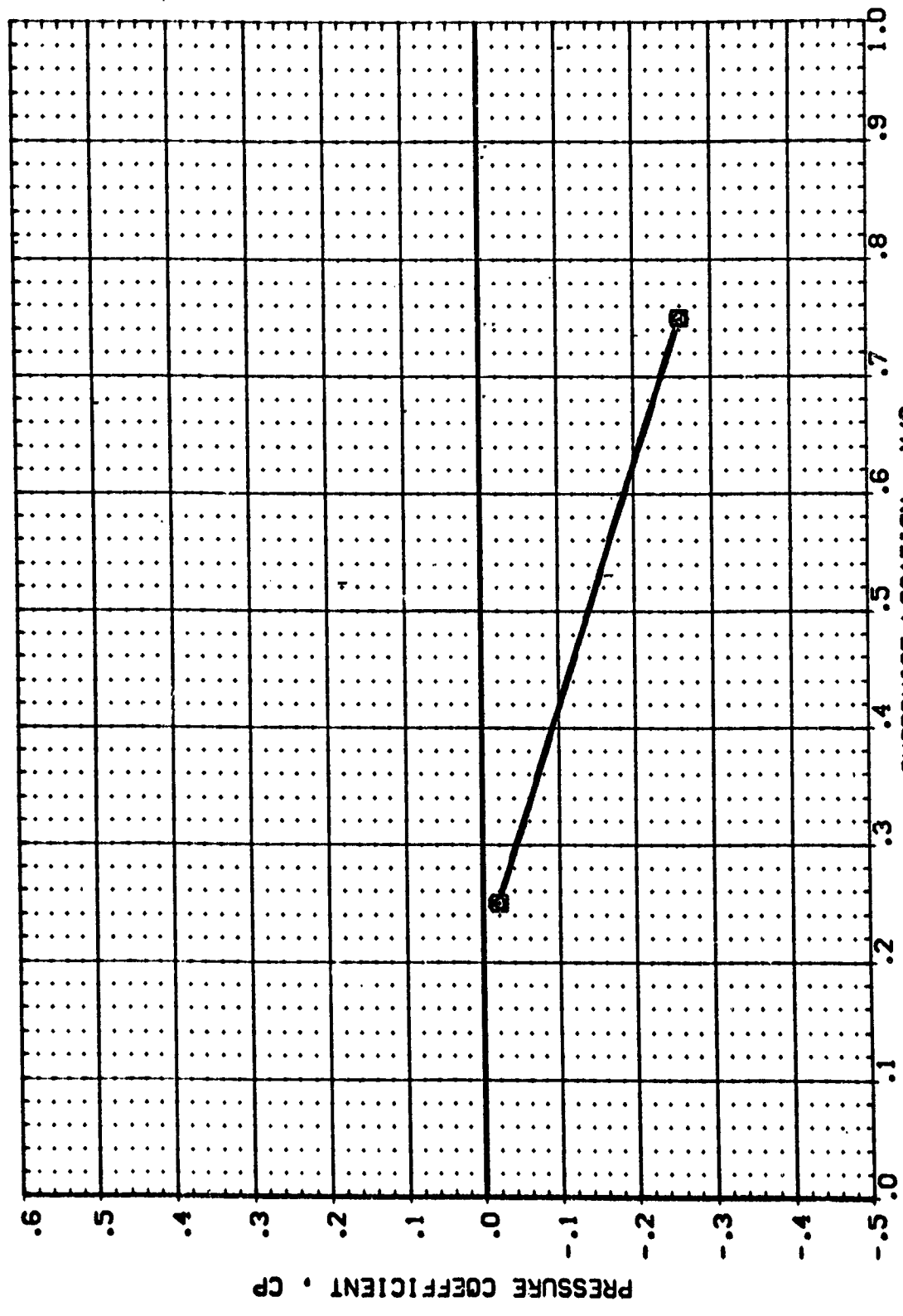
MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RBV122)	ARC 97-710 AI128 OI TI S1 (TOP VING)
(RBV154)	ARC 97-710 AI128 OI TI S2 (TOP VING)
(RBV153)	ARC 97-710 AI128 OI TI S2 (TOP VING)
(RBV152)	ARC 97-710 AI128 OI TI S2 (TOP VING)

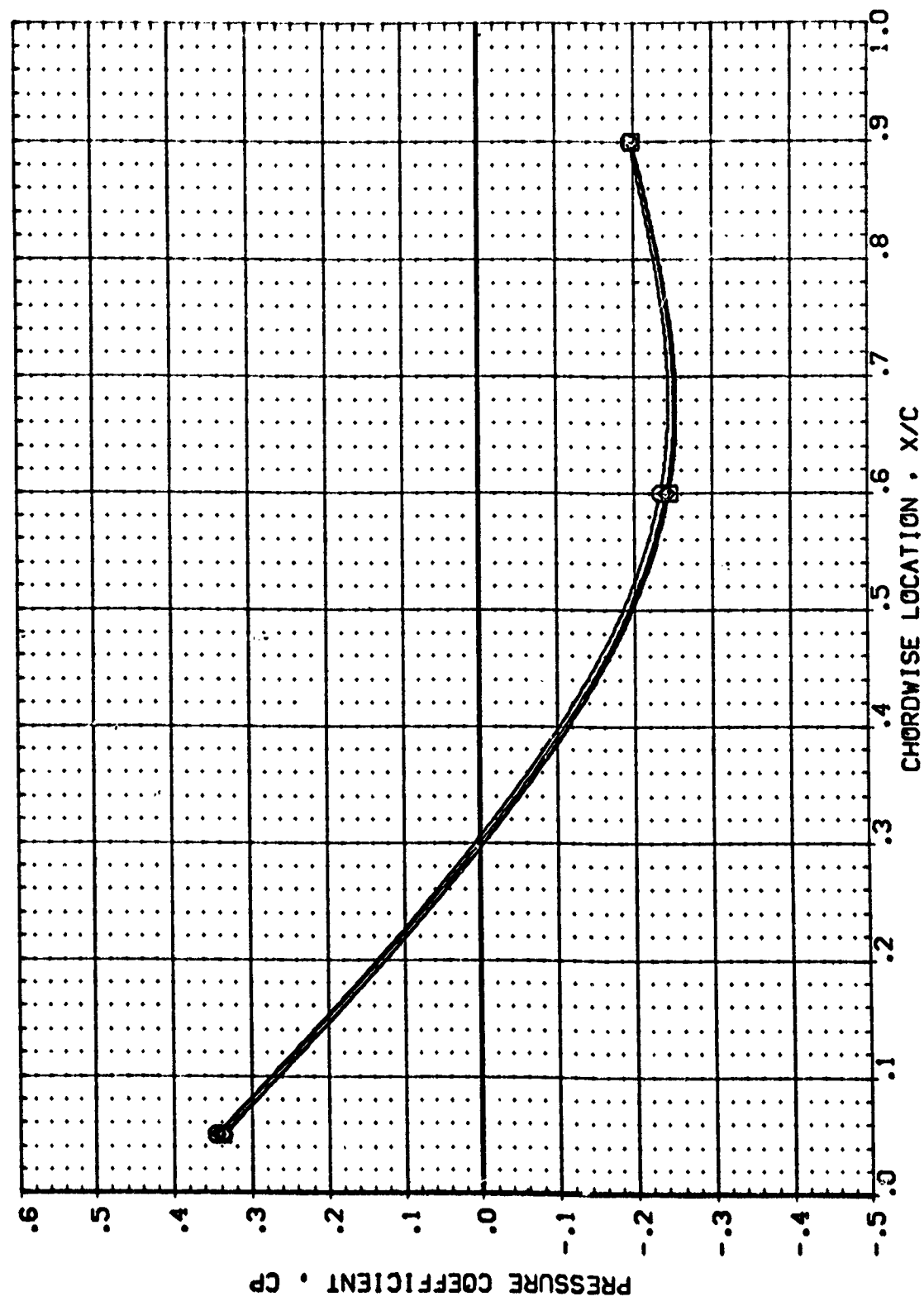
POWER C/P SR-PR RUDDER

POWER	C/P	SR-PR	RUDDER
.000	.000	.000	.000
.000	.433	.469	.000
1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

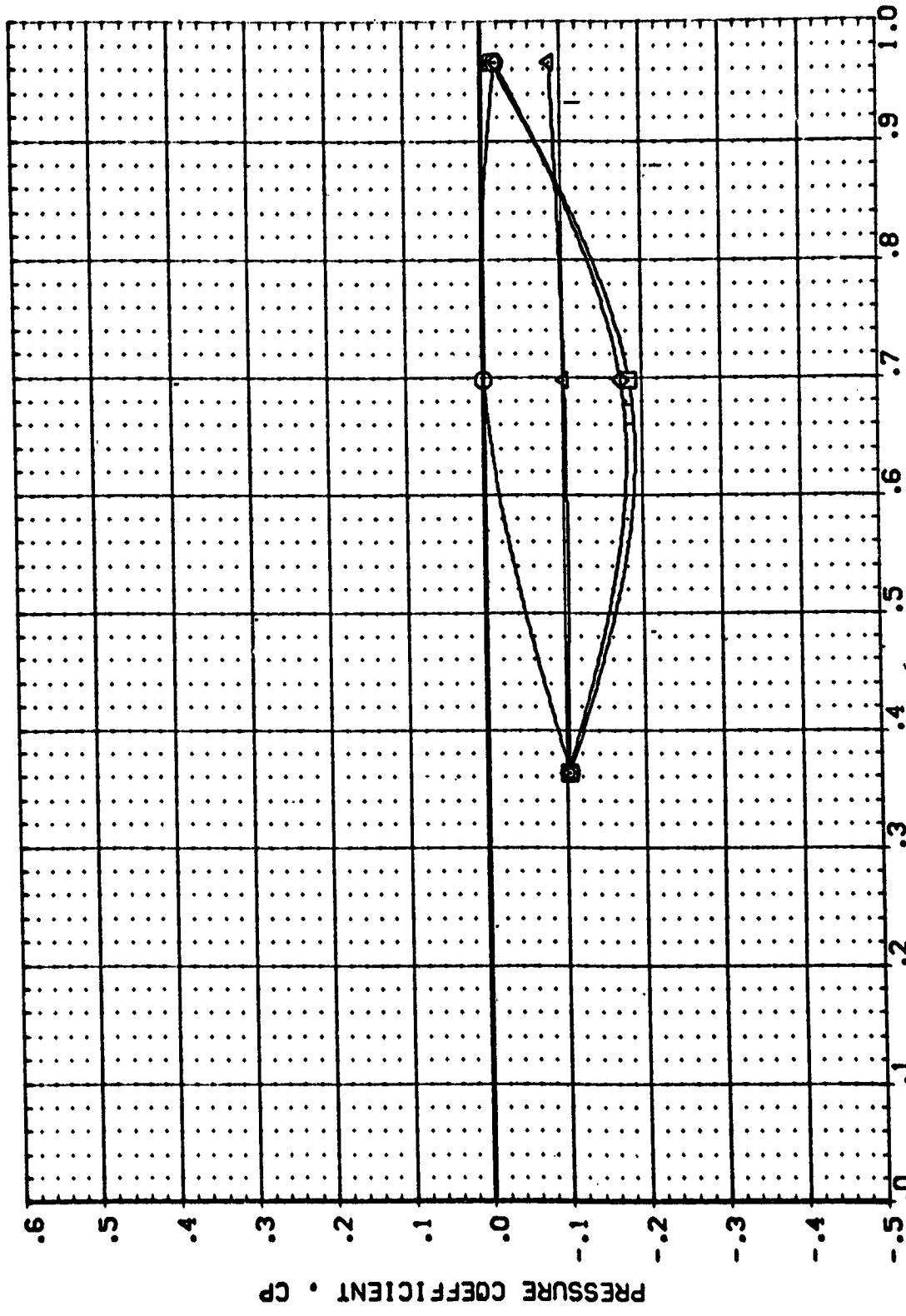
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDDER
(RBV722)	ARC 97-710 IAI28 01 T1 S1 (TOP WING)	.000			.000
(RBV734)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	.000			.000
(RBV753)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	1.000	.433	.469	.000
(RBV752)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

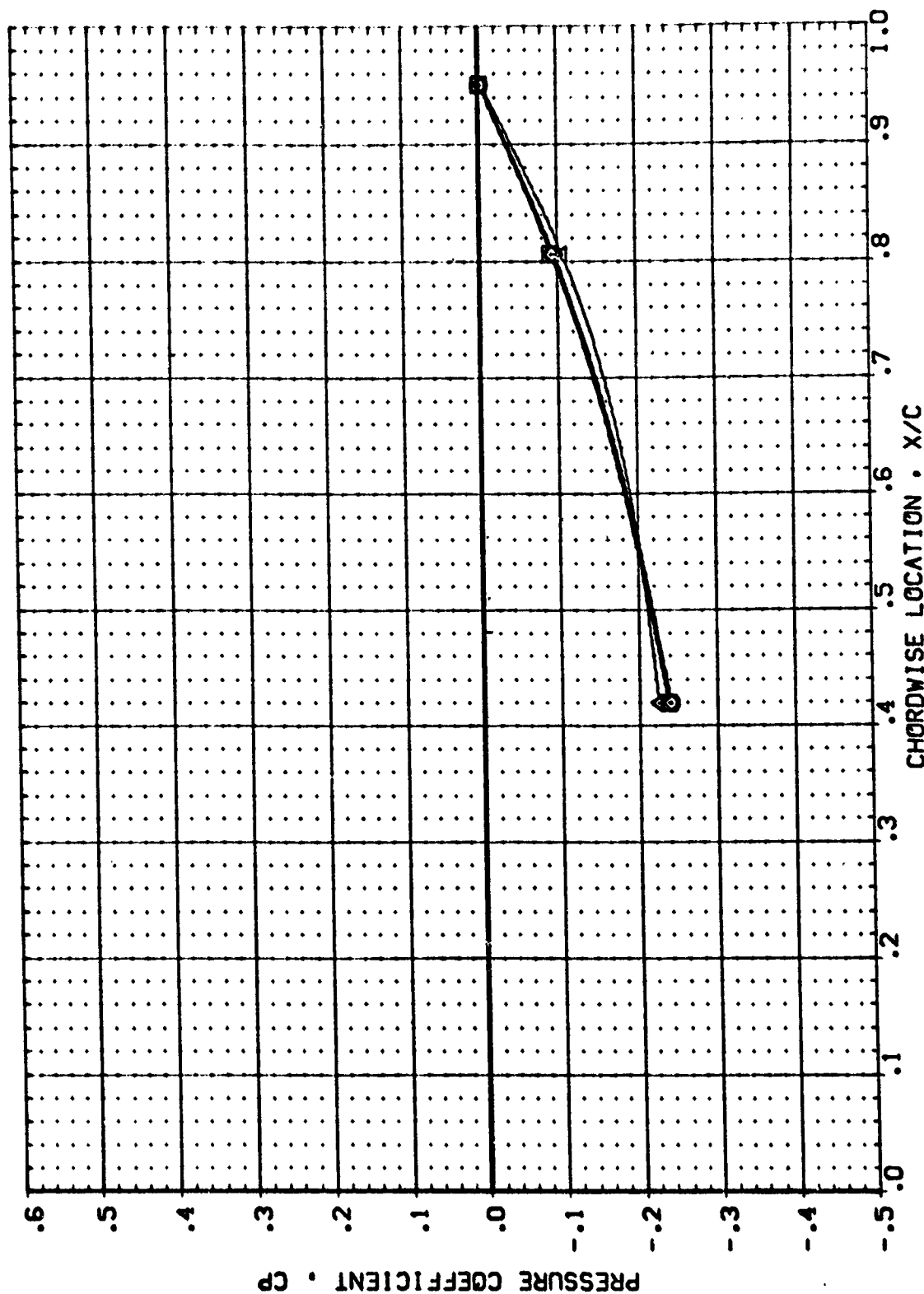
MACH = 1.550 ALPHA = -7.970 ETA = .887 PAGE 258

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDER
(RBV122)	ARC 97-710 1A128 O1 T1 S1 (TOP VING)	.000			.000
(RBV154)	ARC 97-710 1A128 O1 T1 S2 (TOP VING)	.000			.000
(RBV153)	ARC 97-710 1A128 O1 T1 S2 (TOP VING)	1.000	.433	.469	.000
(RBV152)	ARC 97-710 1A128 O1 T1 S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

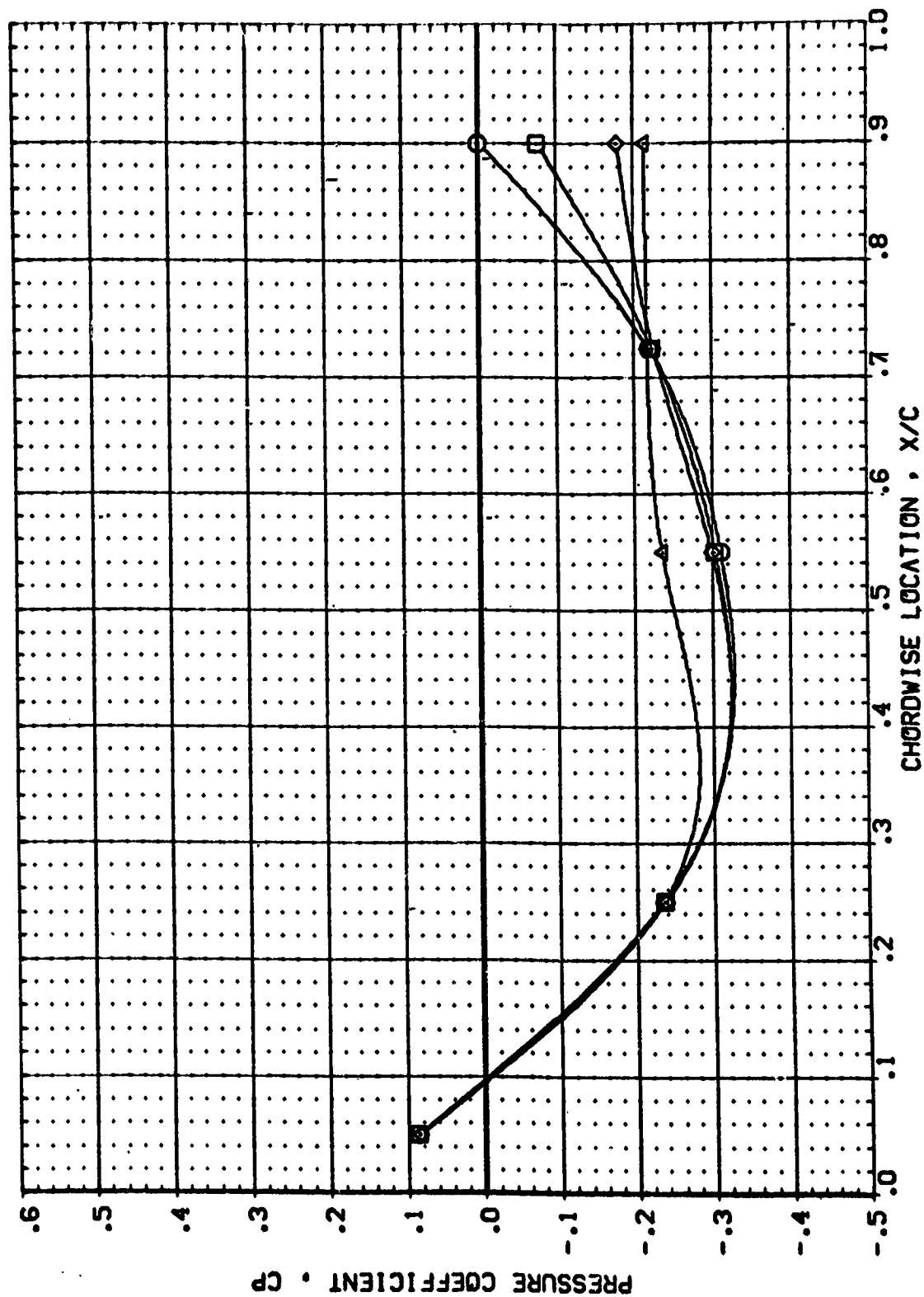
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	QPR	SWPR	RUDDER
(RBVT2)	ARC 97-710 IAI2B OI TI S1 (TOP VING)	.000			.000
(RBVT3)	ARC 97-710 IAI2B OI TI S2 (TOP VING)	.000			.000
(RBVT4)	ARC 97-710 IAI2B OI TI S1 (TOP VING)	.000	.433	.469	.000
(RBVT5)	ARC 97-710 IAI2B OI TI S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .427 PAGE 260

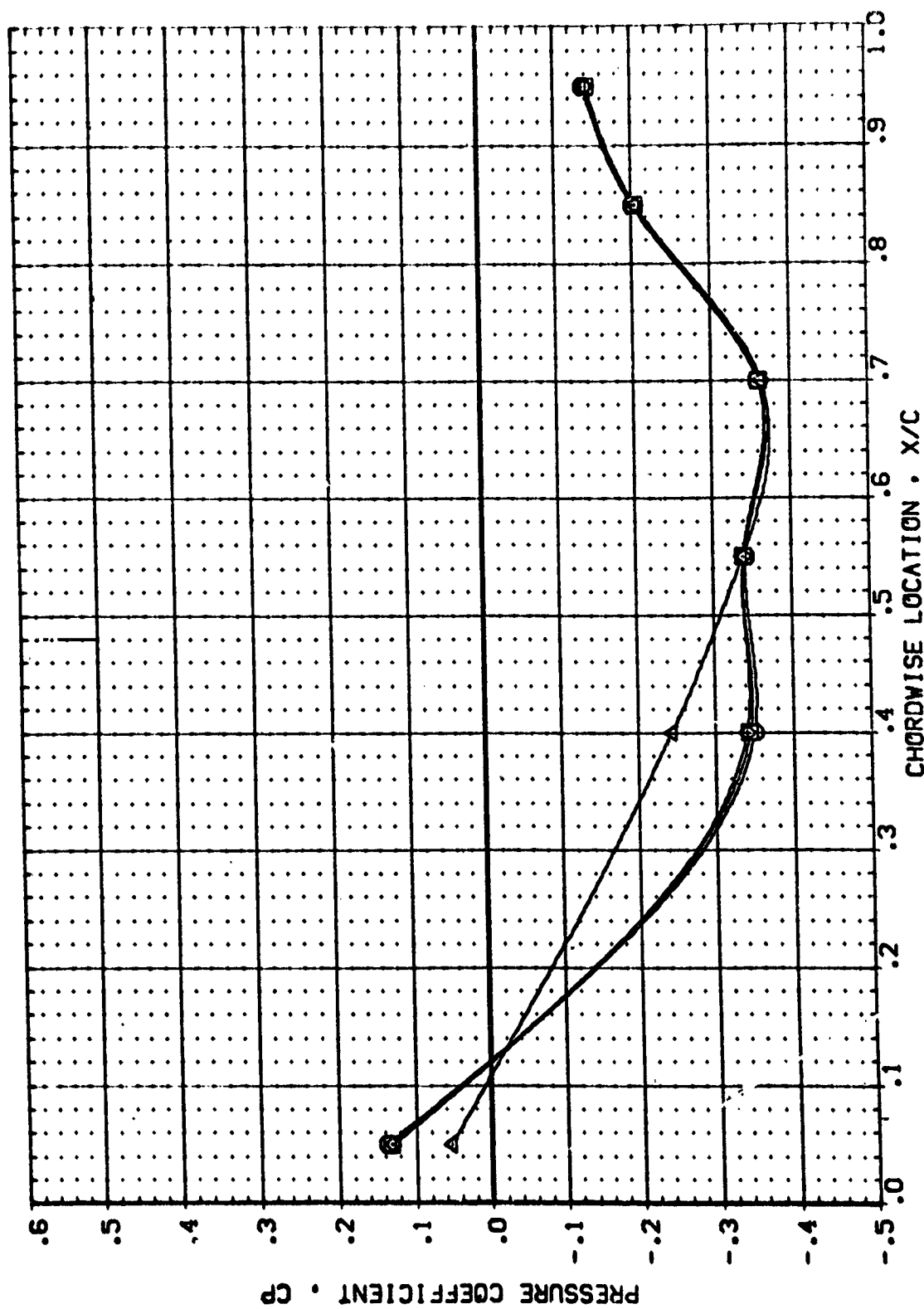
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDGER
(RBV722)	ARC 97-710 IAI28 OI TI S1 (TOP VING)	.000			.000
(RBV754)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	.000			.000
(RBV753)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	1.000	.433	.469	.000
(RBV752)	ARC 97-710 IAI28 OI TI S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .534

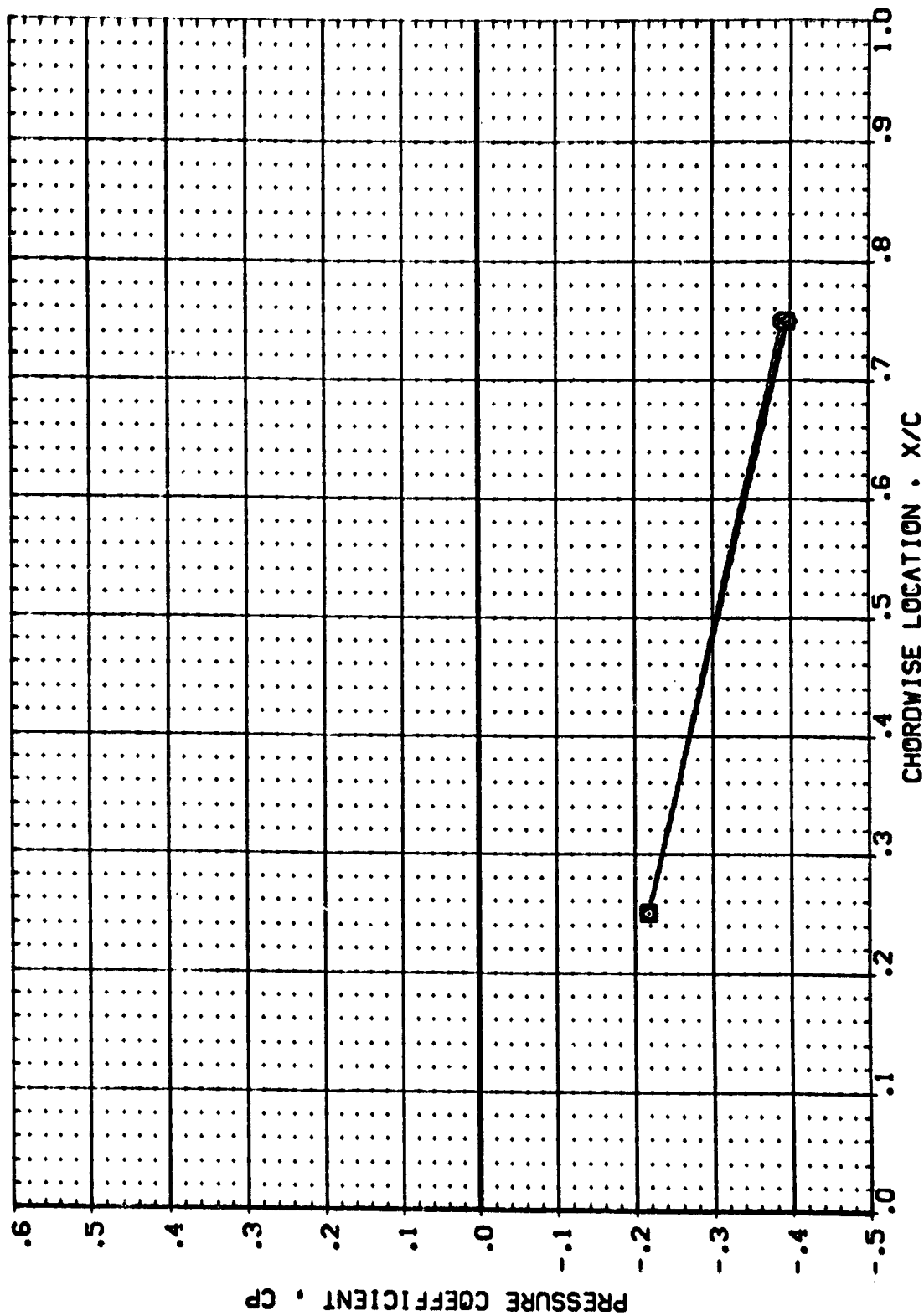
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBVT22)	ARC 97-710 IAI28 OI T1 S1 (TOP VING)	.000			.000
(RBVT54)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)	.000	.433	.469	.000
(RBVT53)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)	1.000	.433	1.050	.000
(RBVT52)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)				



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .673

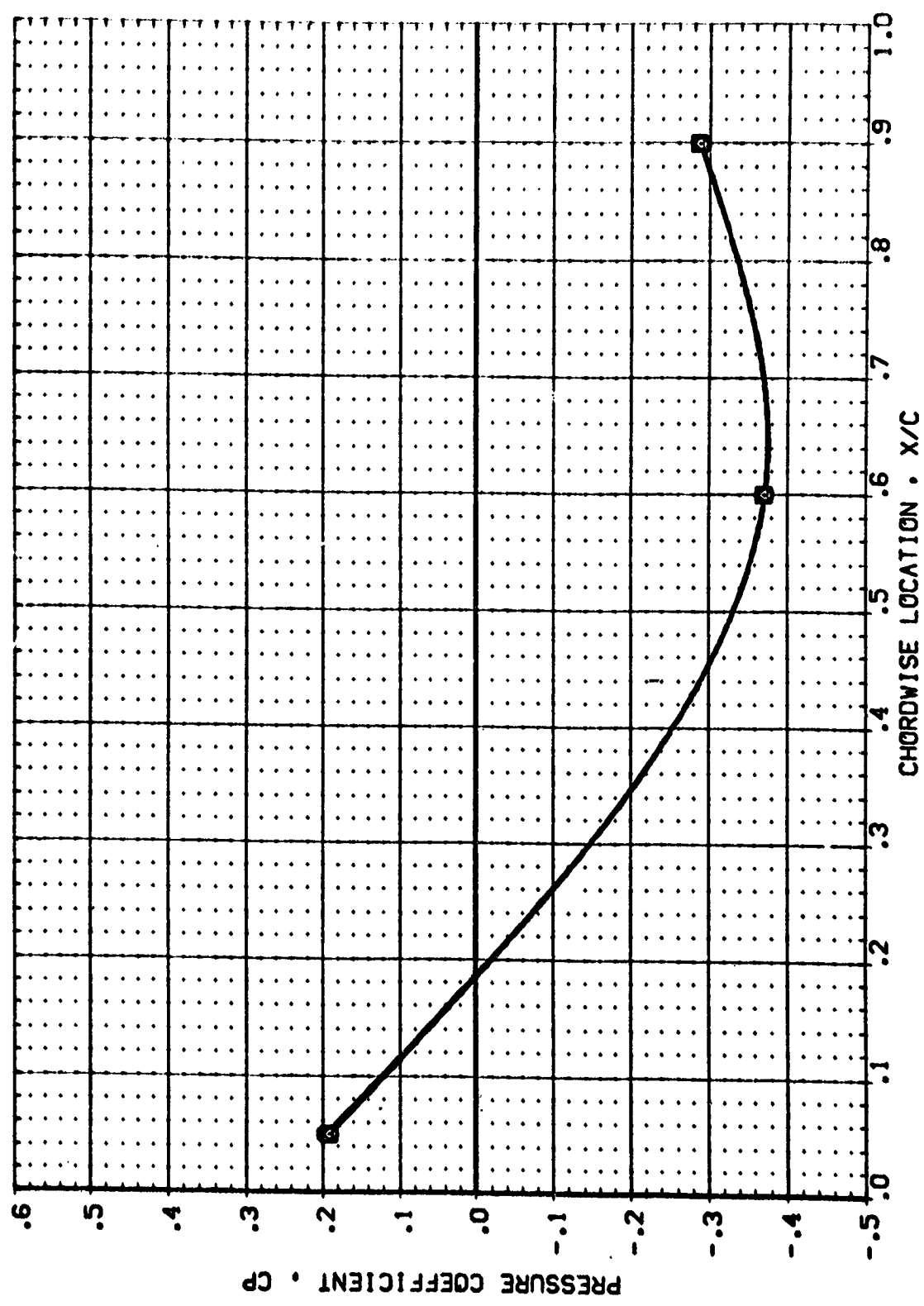
DATA SET SYMBOL	CONFIGURATION	DESCRIPTION	POWER	DPR	SMPPR	RUDDER
(RBVT22)	ARC 97-710	AI28 01 TI S1 (TOP VING)	.000			.000
(RBVT54)	ARC 97-710	AI28 01 TI S2 (TOP VING)	.000			.000
(RBVT53)	ARC 97-710	AI28 01 TI S2 (TOP VING)	1.000	.433	.433	.000
(RBVT52)	ARC 97-710	AI28 01 TI S2 (TOP VING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = .020 ETA = .780

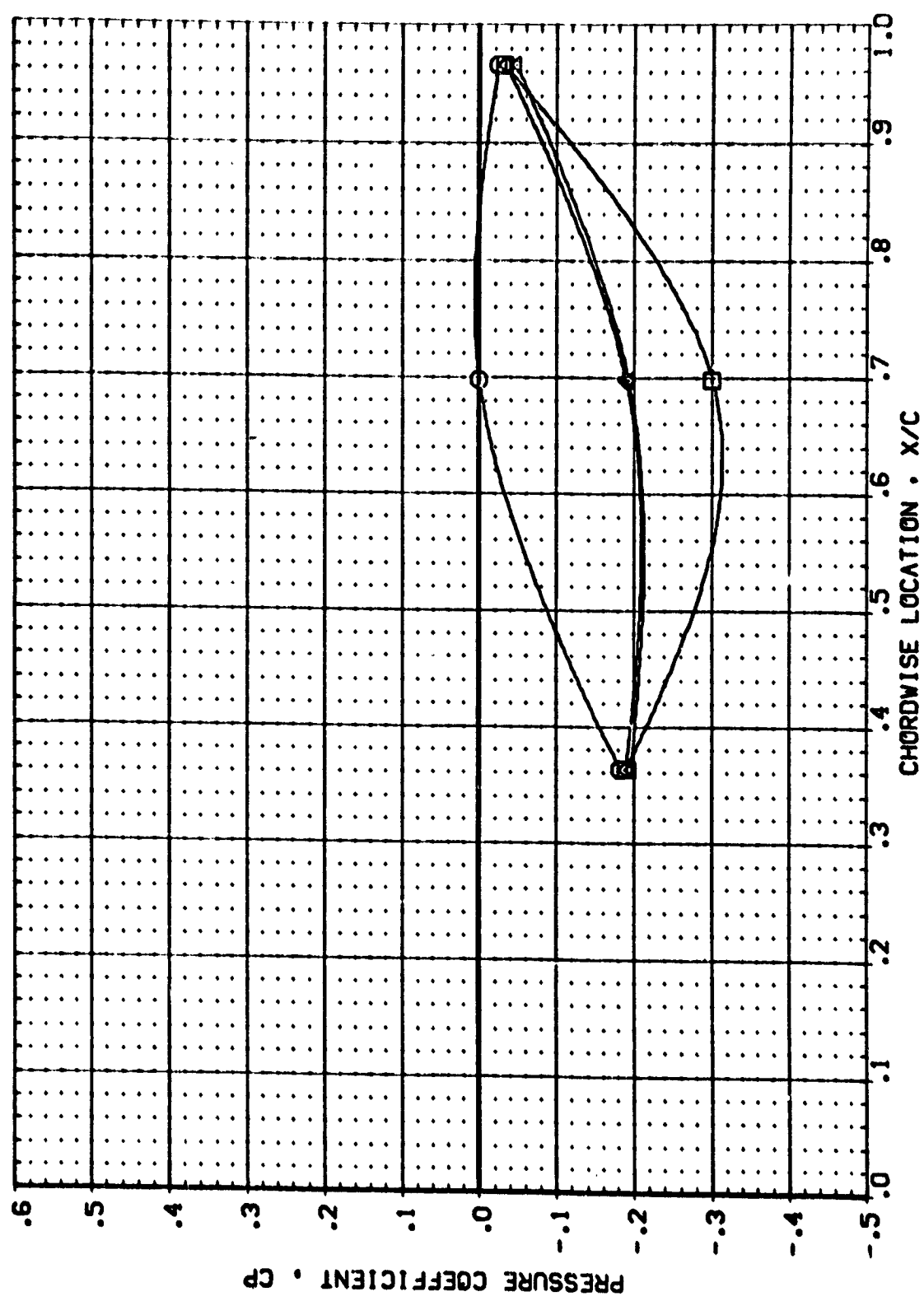
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	RUDER
(RBVT22)	ARC 97-710 [A]28 01 T1 S1 (TOP WING)	.000			.000
(RBVT54)	ARC 97-710 [A]28 01 T1 S2 (TOP WING)	.000			.000
(RBVT53)	ARC 97-710 [A]28 01 T1 S2 (TOP WING)	1.000	.433	.469	.000
(RBVT52)	ARC 97-710 [A]28 01 T1 S2 (TOP WING)	1.000	.433	1.053	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 1.550 ALPHA = .020 ETA = .887

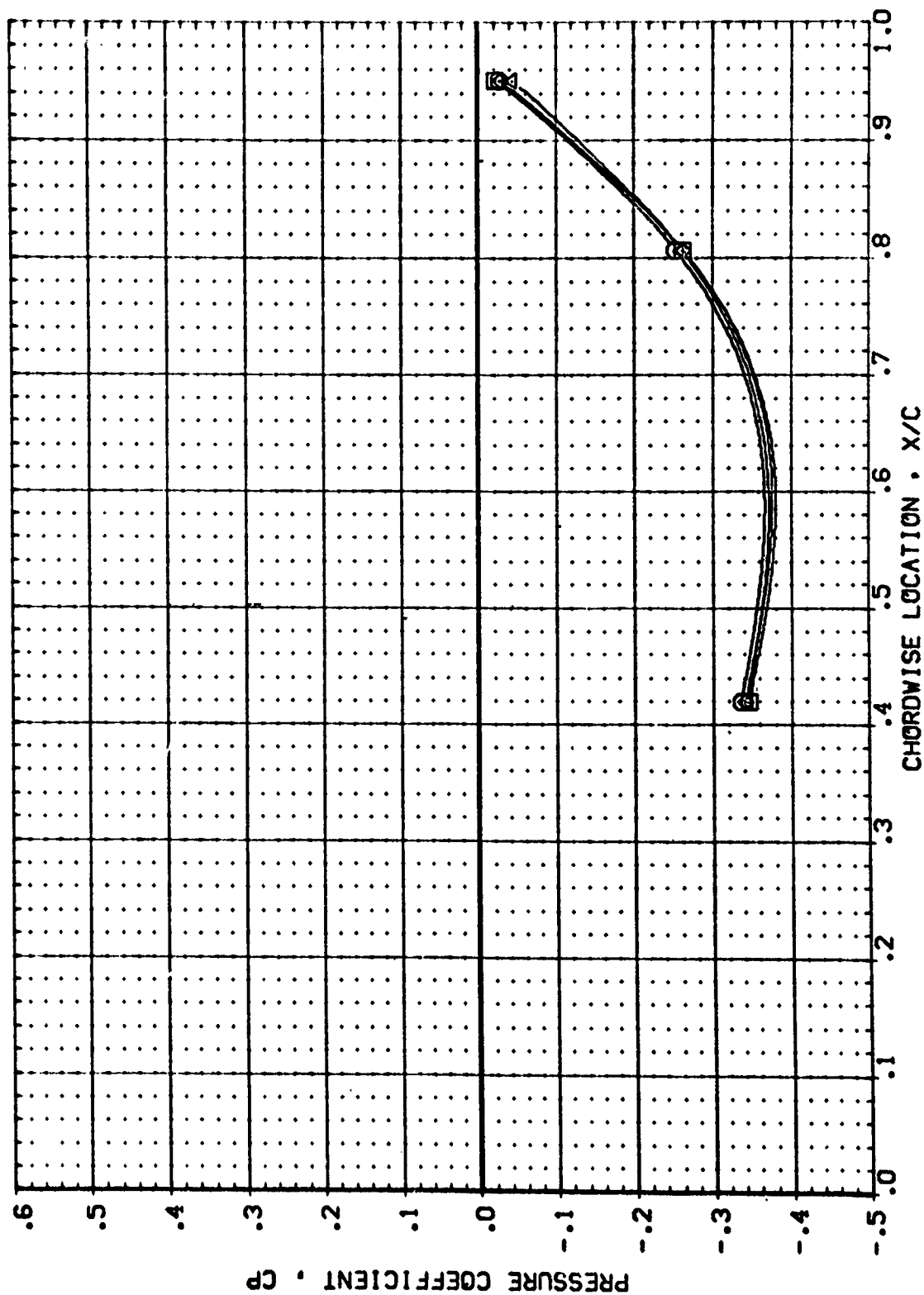
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDER
(RBVT22)	□	ARC 97-710 [A128 O1 T1 S1 (TOP VING)]	.000			.000
(RBVT54)	□	ARC 97-710 [A128 O1 T1 S2 (TOP VING)]	.000			.000
(RBVT53)	□	ARC 97-710 [A128 O1 T1 S2 (TOP VING)]	1.000	.433	.469	.000
(RBVT52)	□	ARC 97-710 [A128 O1 T1 S2 (TOP VING)]	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .299

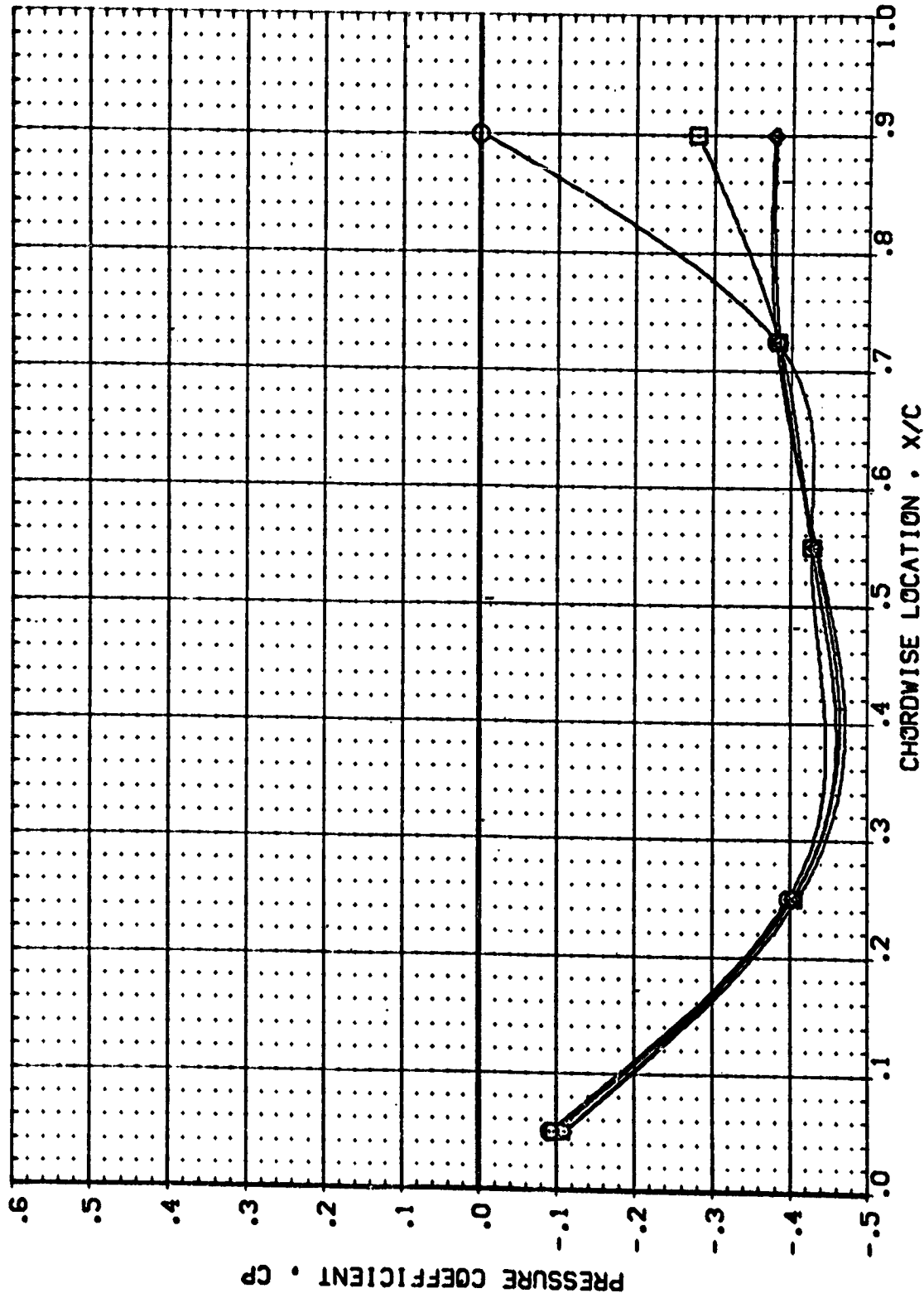
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
{ RBVT22 }	ARC 97-710 IAI2B OI TI S1 (TOP WING)	.000			.000
{ RBVT54 }	ARC 97-710 IAI2B OI TI S2 (TOP WING)	.000			.000
{ RBVT53 }	ARC 97-710 IAI2B OI TI S2 (TOP WING)	1.000	.433	.469	.000
{ RBVT52 }	ARC 97-710 IAI2B OI TI S2 (TOP WING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SR-PR	RUDER
(RBVT22)	ARC 97-710 1A128 01 T1 S1 (TOP VING)	.000			.000
(RBVT54)	ARC 97-710 1A128 01 T1 S2 (TOP VING)	.000			.000
(RBVT53)	ARC 97-710 1A128 01 T1 S2 (TOP VING)	1.000	.433	.469	.000
(RBVT52)	ARC 97-710 1A128 01 T1 S2 (TOP VING)	1.000	.433	1.050	.000

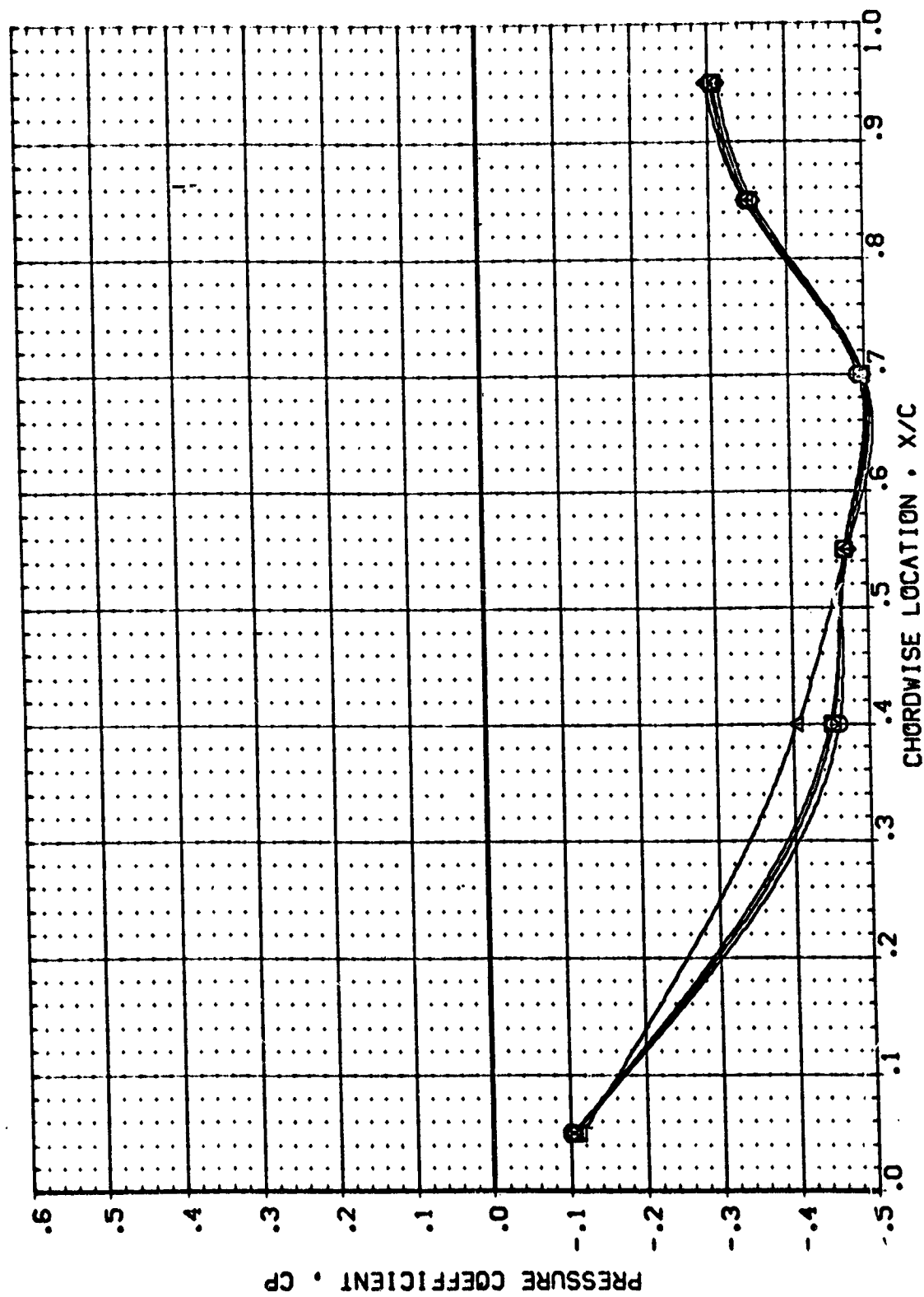


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .534

POWER	OPR	SRMPR	RUDDER
.000			.000
.020			.000
1.000	.433	.469	.000
1.000	.433	1.050	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RBVT22)	ARC 97-710 1A128 01 T1 S1 (TOP WING) II
(RBVT54)	ARC 97-710 1A128 01 T1 S2 (TOP WING) II
(RBVT53)	ARC 97-710 1A128 01 T1 S2 (TOP WING) II
(RBVT52)	ARC 97-710 1A128 01 T1 S2 (TOP WING) II



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .673

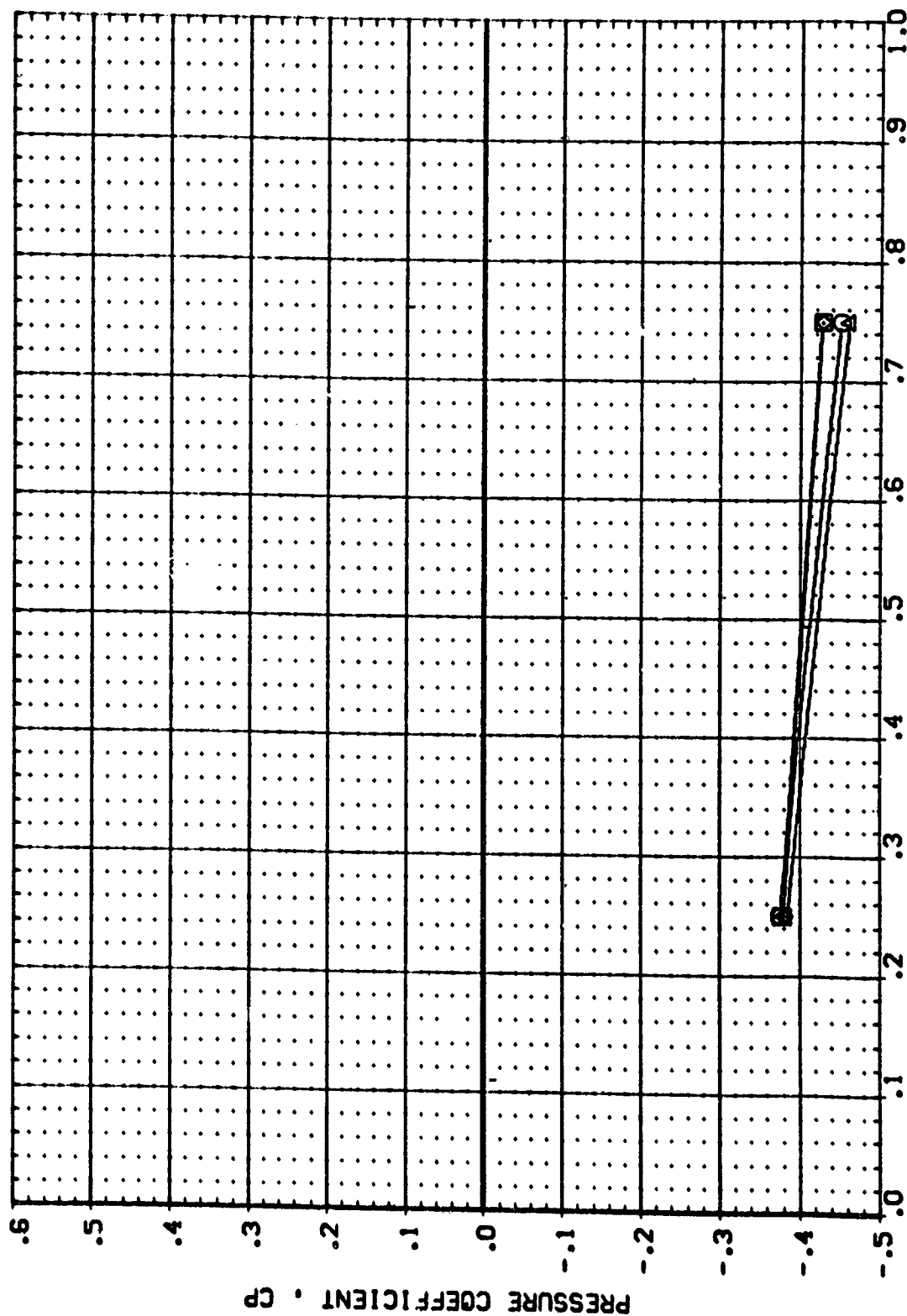
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT22) ARC 97-710 IAI28 01 T1 S1 (TOP WING) II
 (RBVT54) ARC 97-710 IAI28 01 T1 S2 (TOP WING) II
 (RBVT53) ARC 97-710 IAI28 01 T1 S2 (TOP WING) II
 (RBVT52) ARC 97-710 IAI28 01 T1 S2 (TOP WING) II

POWER .000 .000 .000
 .000 .000 .000
 .000 .000 .000
 .000 .000 .000

SRPR .469 .469 .469
 .433 .433 .433

RUDER .000 .000 .000
 .000 .000 .000
 .000 .000 .000

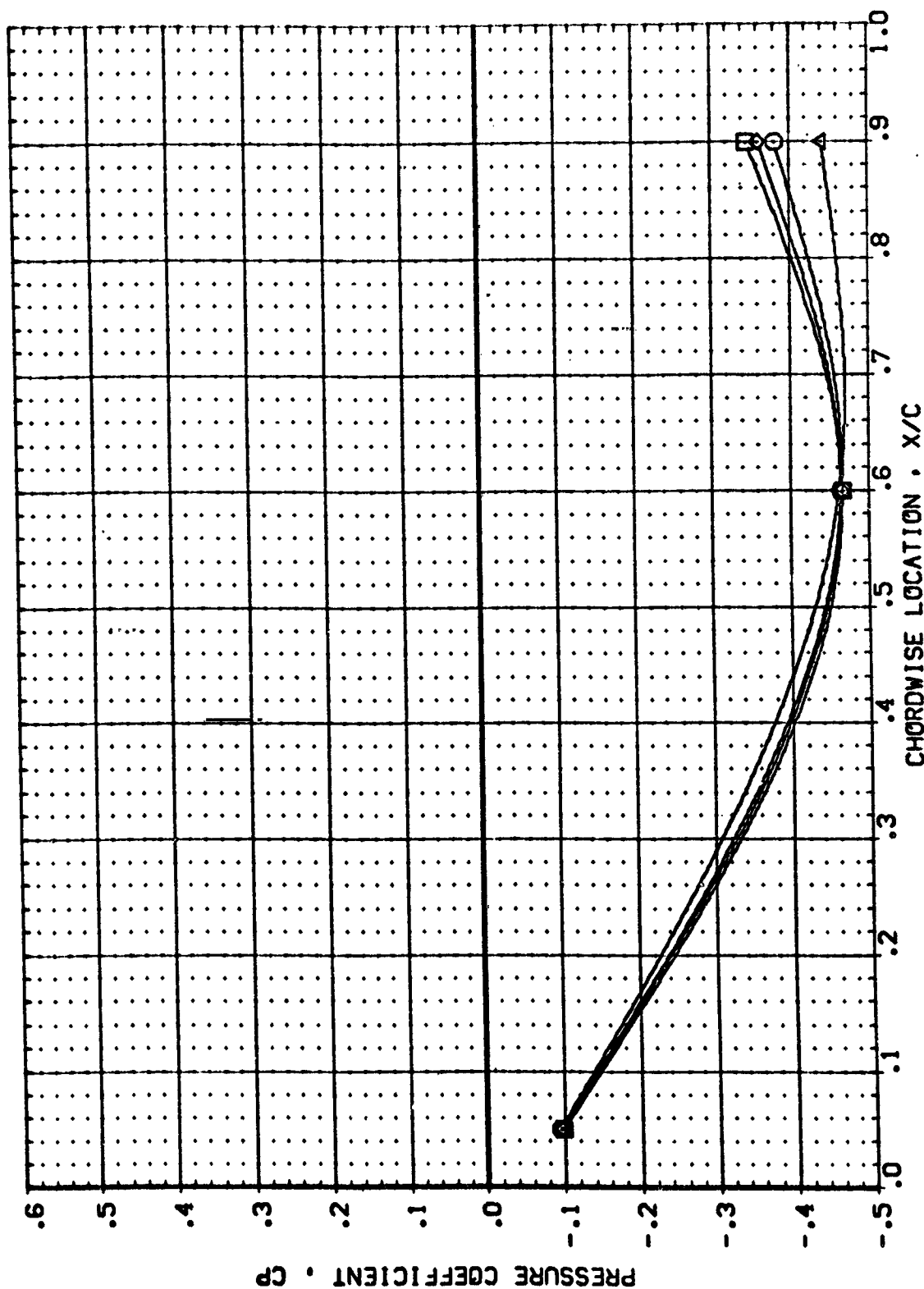


CHORDWISE LOCATION - X/C

SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .780

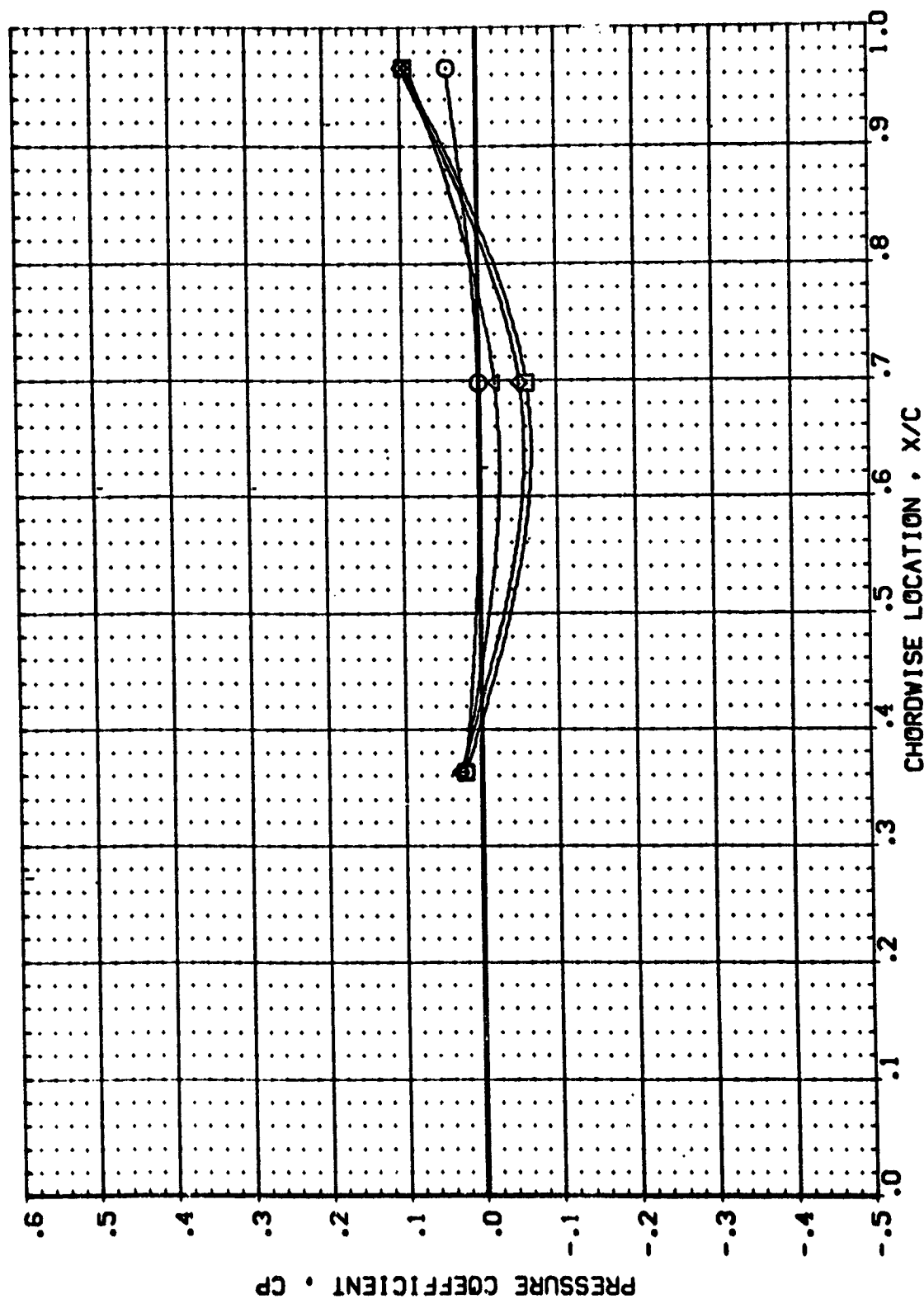
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDER
(RBVT22)	□	ARC 97-710 IA128 01 T1 S1 (TOP WING)	.000			.000
(RBVT54)	◇	ARC 97-710 IA128 01 T1 S2 (TOP WING)	.000			.000
(RBVT53)	◇	ARC 97-710 IA128 01 T1 S2 (TOP WING)	1.000	.433	.469	.000
(RBVT52)	◇	ARC 97-710 IA128 01 T1 S2 (TOP WING)	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 1.550 ALPHA = 8.050 ETA = .887

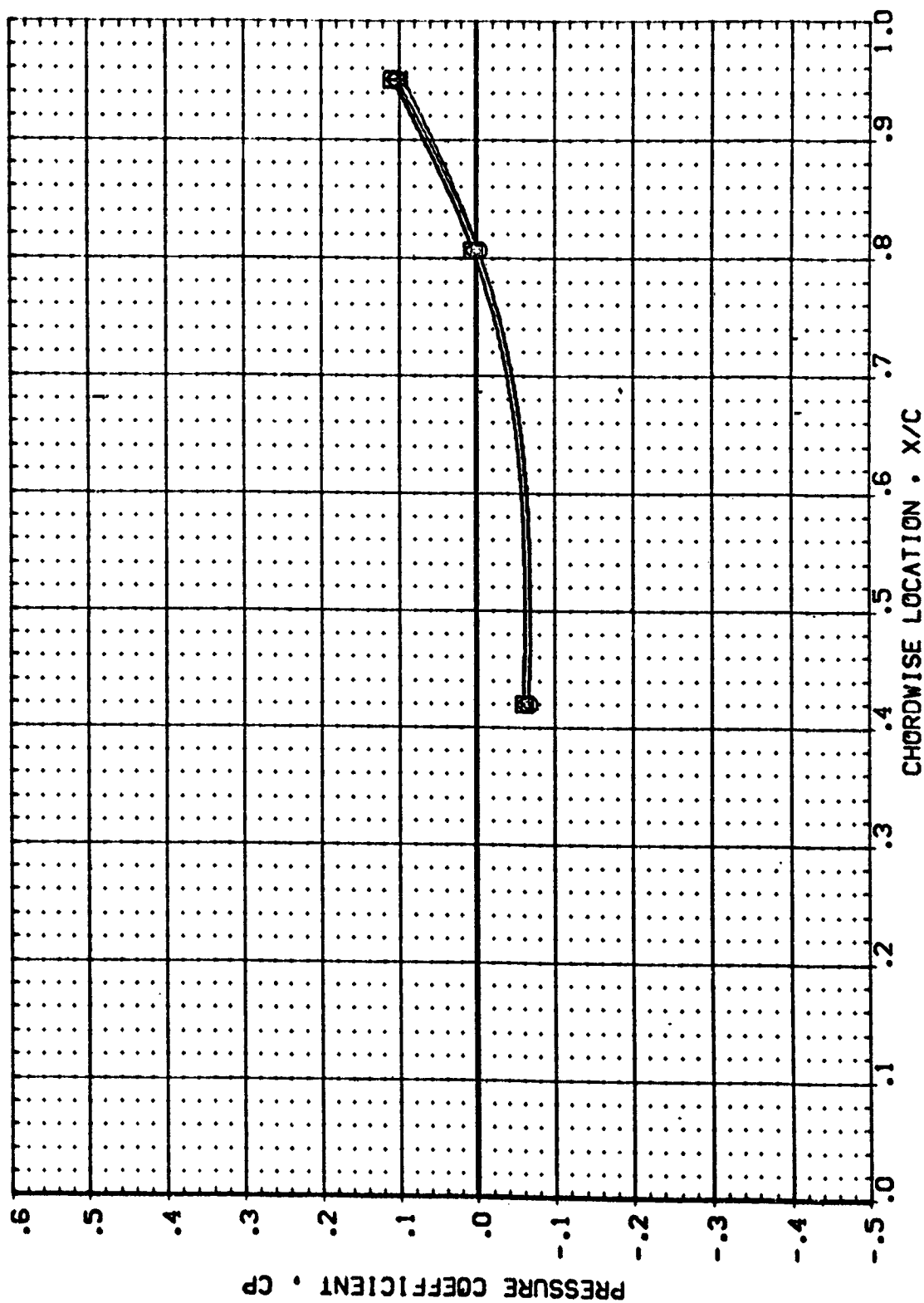
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBV121)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000			.000
(RBV155)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	.000			.000
(RBV156)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	.557	.000
(RBV157)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBVT21) ARC 97-710 1A128 01 T1 S1 (TOP VING) II
 (RBVT55) ARC 97-710 1A128 01 T1 S2 (TOP VING) II
 (RBVT56) ARC 97-710 1A128 01 T1 S2 (TOP VING) II
 (RBVT57) ARC 97-710 1A128 01 T1 S2 (TOP VING) II

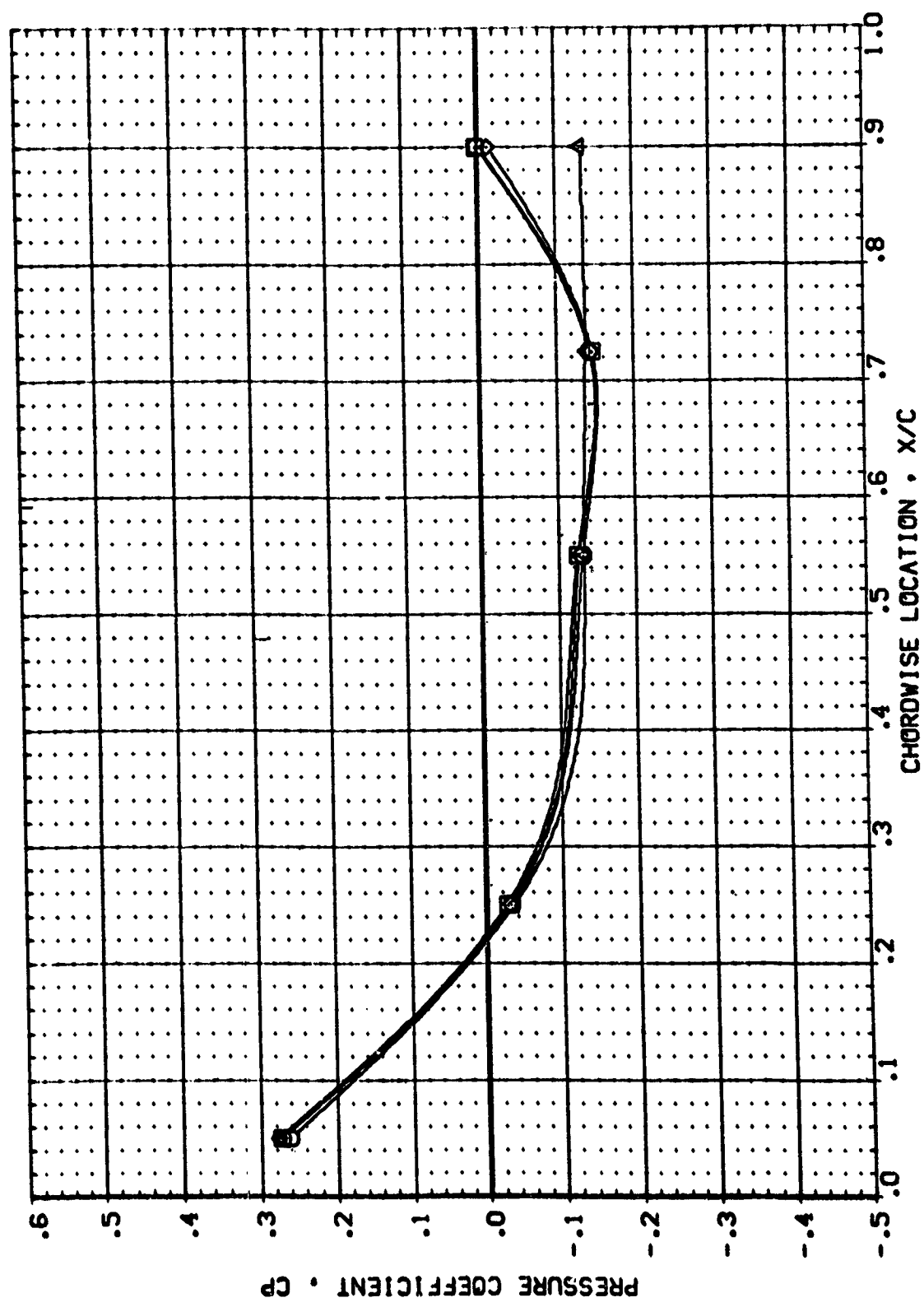
POWER QPR SAMP RUDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 1.245 1.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

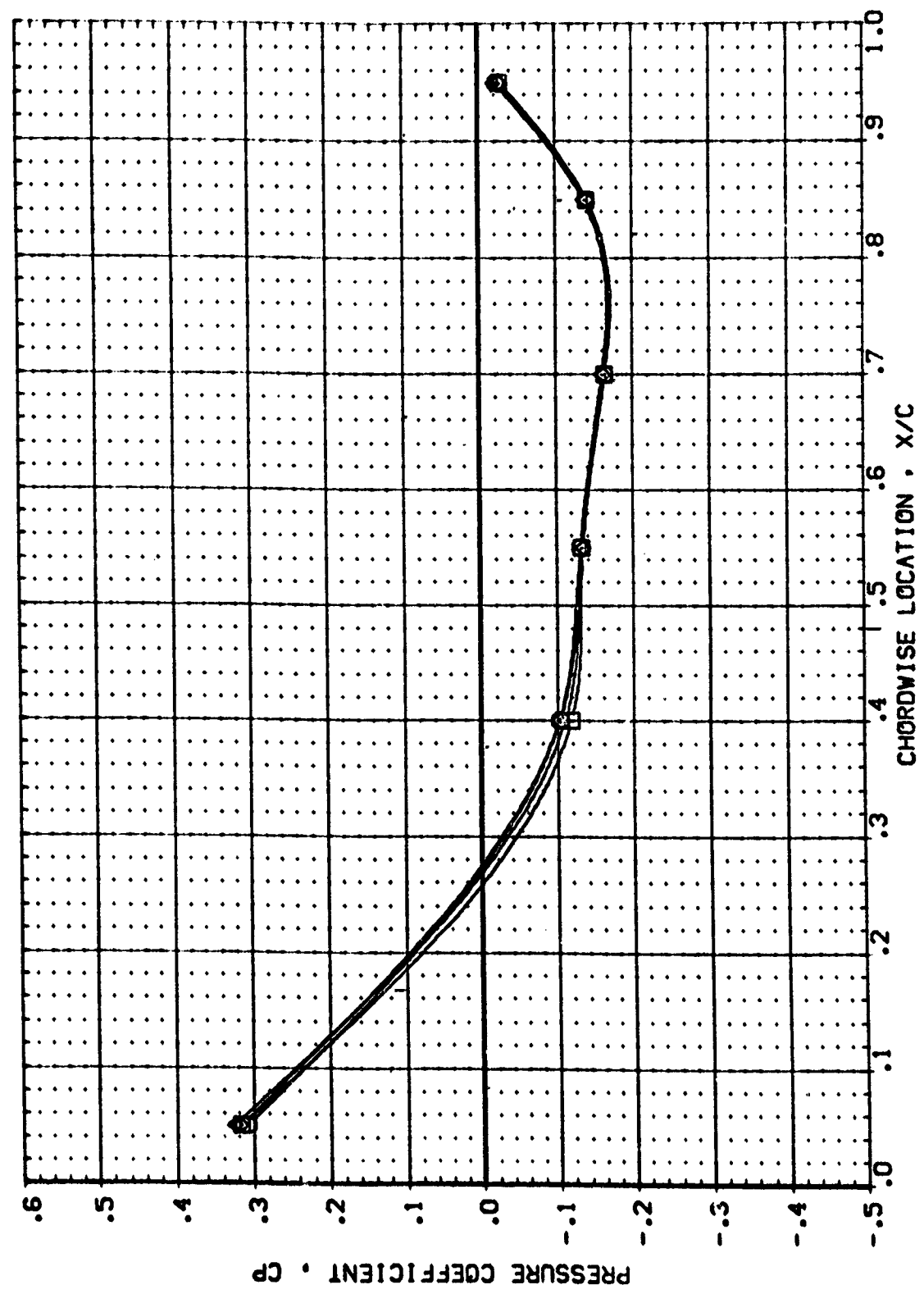
MACH = 2.000 ALPHA = -7.520 ETA = .427

DATA SET SYMBOL	CONF IGURATION DESCRIPTION	POWER	OPR	SWPR	RUDDER
(RBT21)	ARC 97-710 1A12B O1 T1 S1 (TOP VING)	.000			.000
(RBT55)	ARC 97-710 1A12B O1 T1 S2 (TOP VING)	.000	.409	.557	.000
(RBT56)	ARC 97-710 1A12B O1 T1 S2 (TOP VING)	.000	.409	1.245	.000
(RBT57)	ARC 97-710 1A12B O1 T1 S2 (TOP VING)	.000			.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

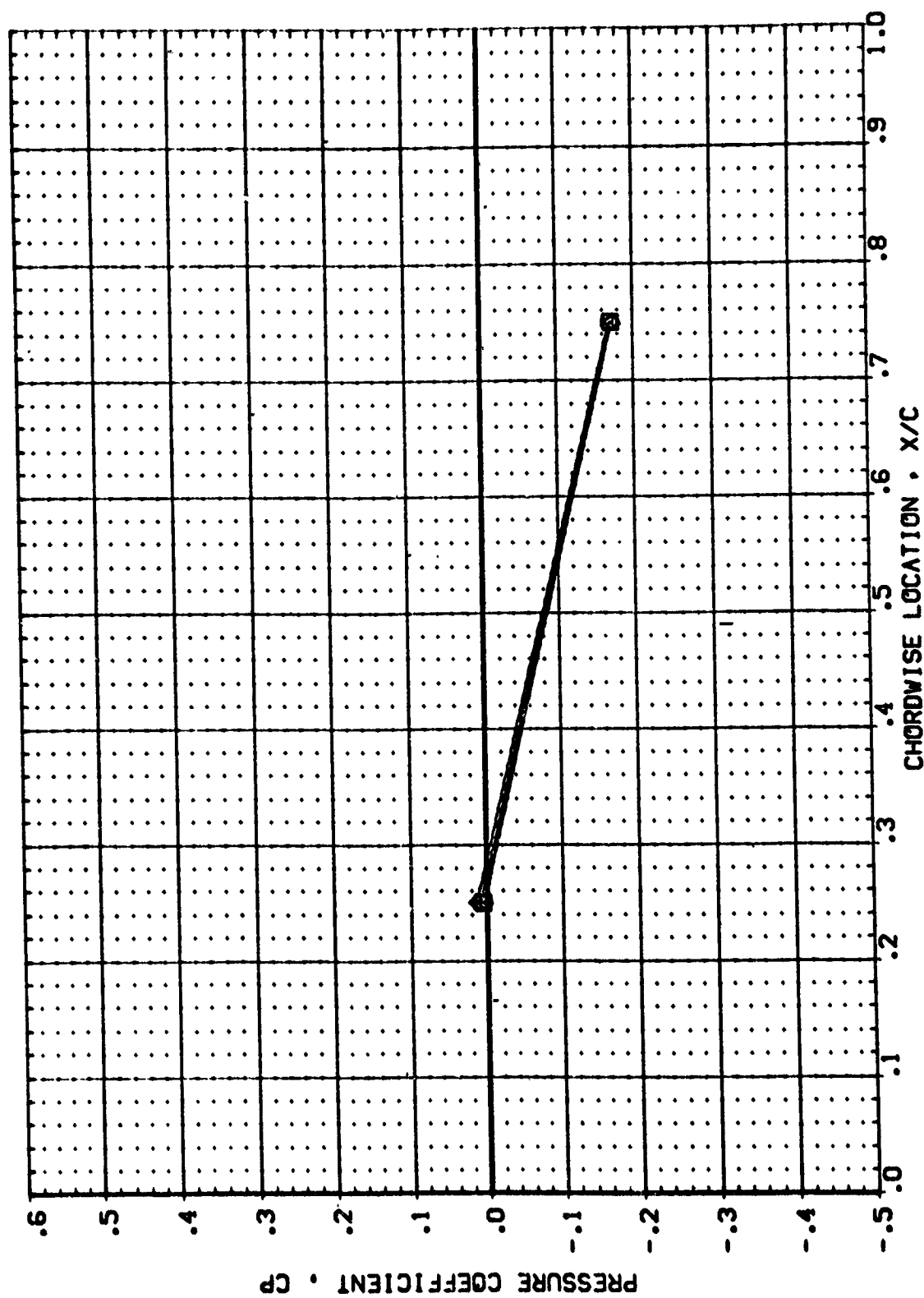
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVT21)	ARC 97-710 [A128 01 T1 S1 (TOP WING)]	.000			.000
(RBVT55)	ARC 97-710 [A128 01 T1 S2 (TOP WING)]	.000			.000
(RBVT56)	ARC 97-710 [A128 01 T1 S2 (TOP WING)]	1.000	.409	.557	.000
(RBVT57)	ARC 97-710 [A128 01 T1 S2 (TOP WING)]	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .673

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	RUDDER
(RBT21)	□	ARC 97-710 IAI2B OI TI S1 (TOP VING)	.000			.000
(RBT55)	□	ARC 97-710 IAI2B OI TI S2 (TOP VING)	.000	.409	.557	.000
(RBT56)	□	ARC 97-710 IAI2B OI TI S2 (TOP VING)	1.000	.409	1.245	.000
(RBT57)	□	ARC 97-710 IAI2B OI TI S2 (TOP VING)	1.000			

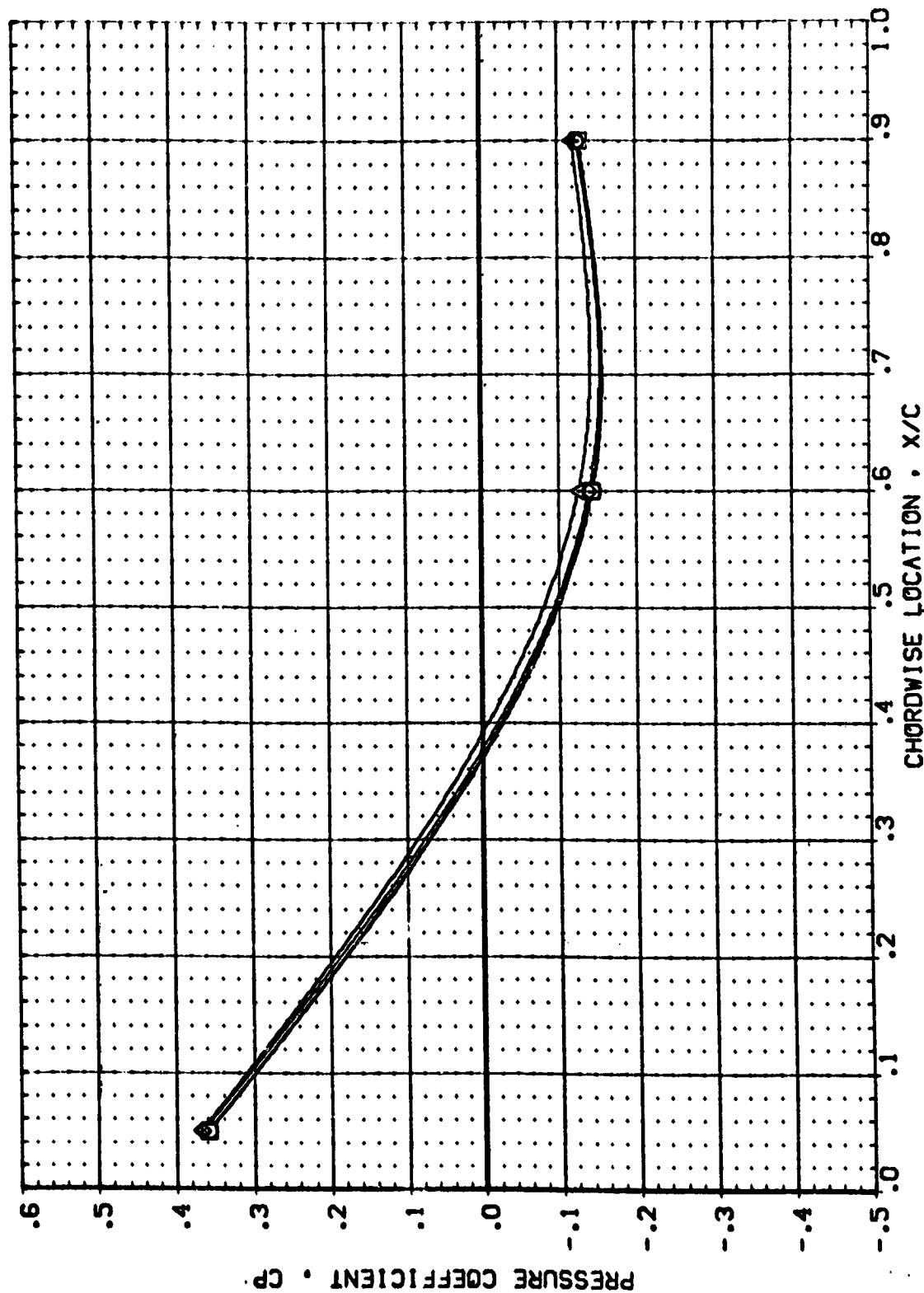


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVT21)	ARC 97-710	AI28 OI	TI S1	(TOP VING)	II
(RBVT55)	ARC 97-710	AI28 OI	TI S2	(TOP VING)	II
(RBVT56)	ARC 97-710	AI28 OI	TI S2	(TOP VING)	II
(RBVT57)	ARC 97-710	AI28 OI	TI S2	(TOP VING)	II

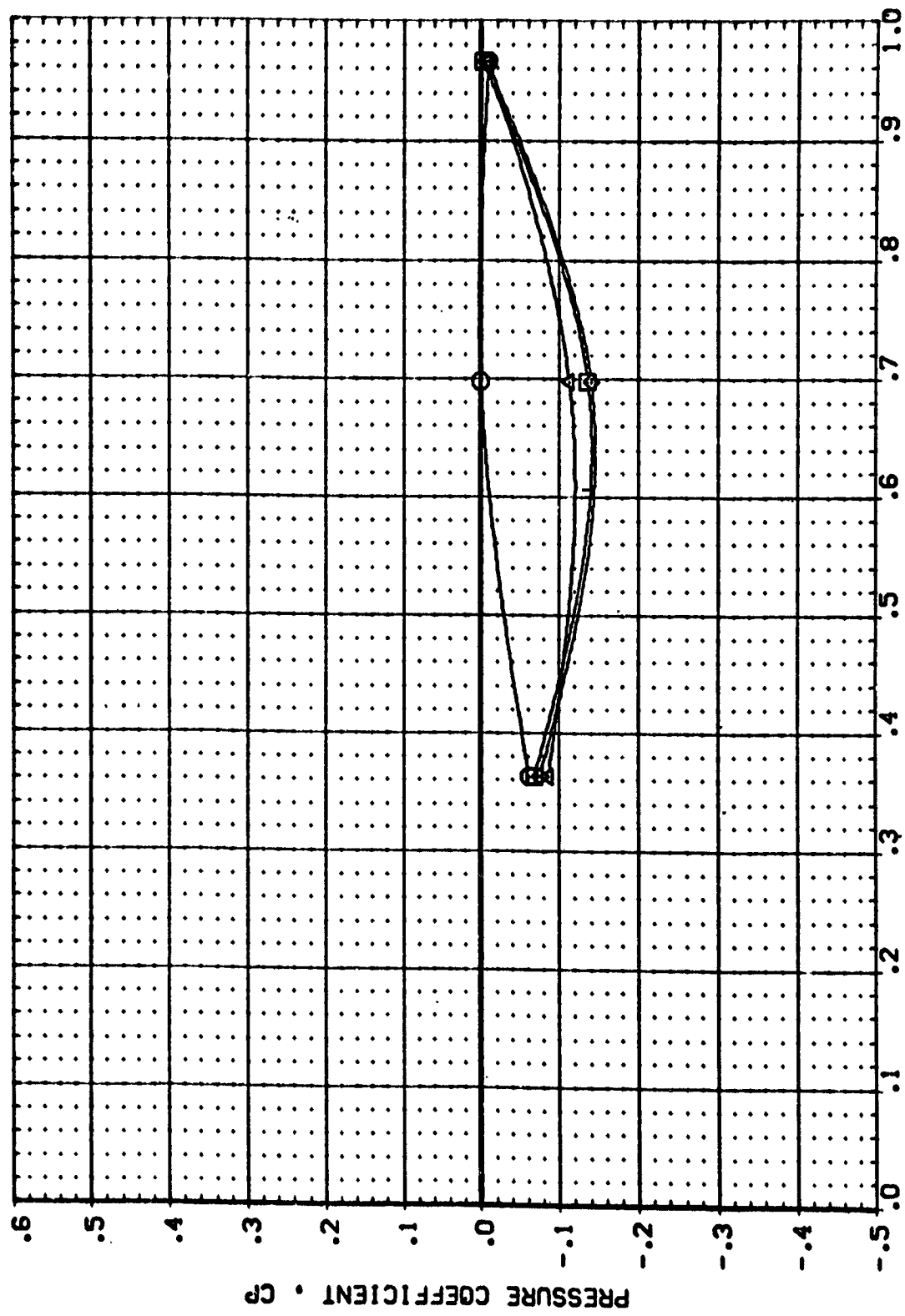
POWER	OPR	SRPR	R.ODER
.000			.000
.000			.000
1.000	.409	.557	.000
1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = -7.520 ETA = .887

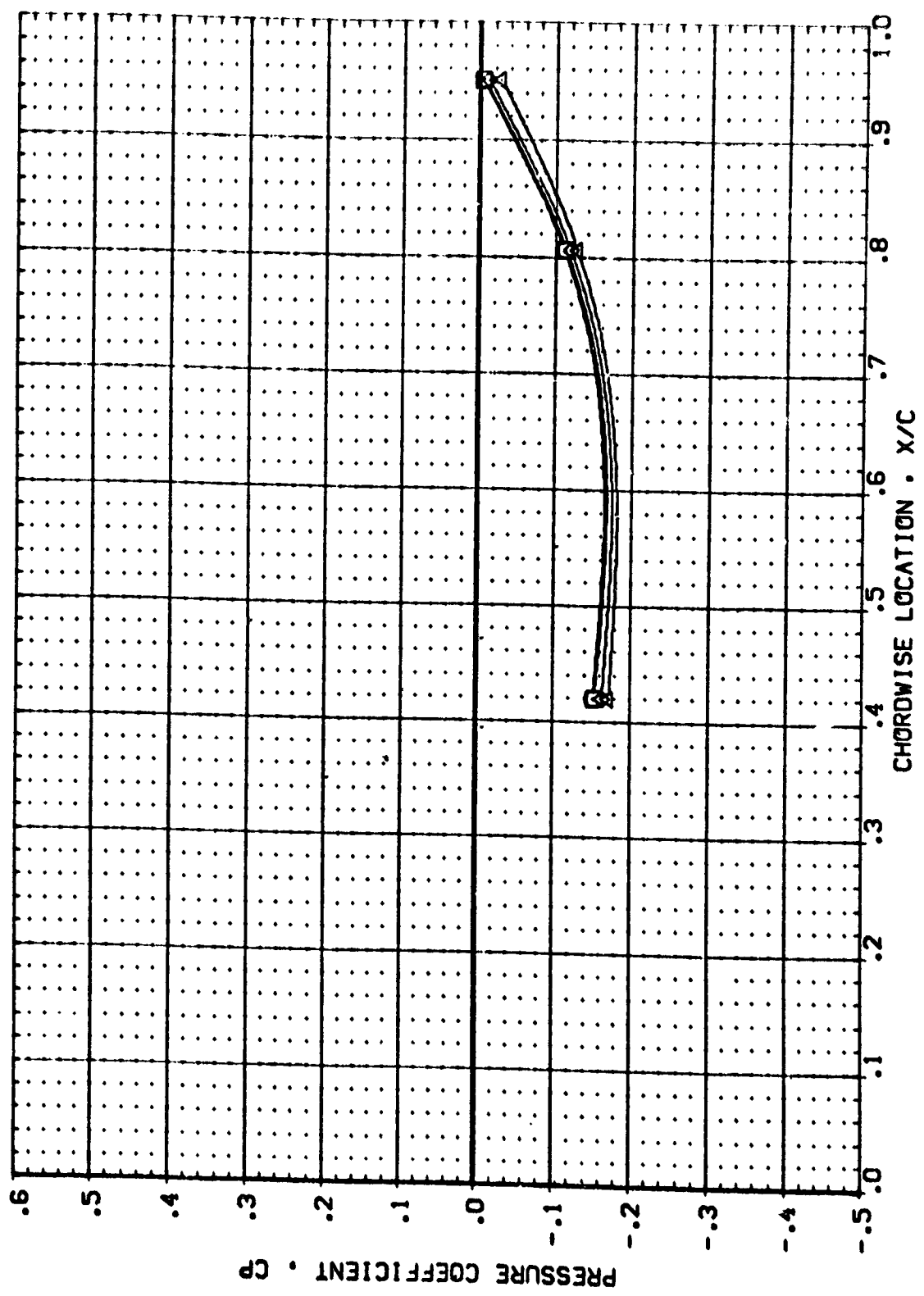
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RLODER
(RBVT21)	□	ARC 97-710 IAI28 OI TI S1 (TOP WING)	.000			.000
(RBVT55)	□	ARC 97-710 IAI28 OI TI S2 (TOP WING)	.000			.000
(RBVT56)	□	ARC 97-710 IAI28 OI TI S2 (TOP WING)	1.000	.409	.557	.000
(RBVT57)	□	ARC 97-710 IAI28 OI TI S2 (TOP WING)	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .299

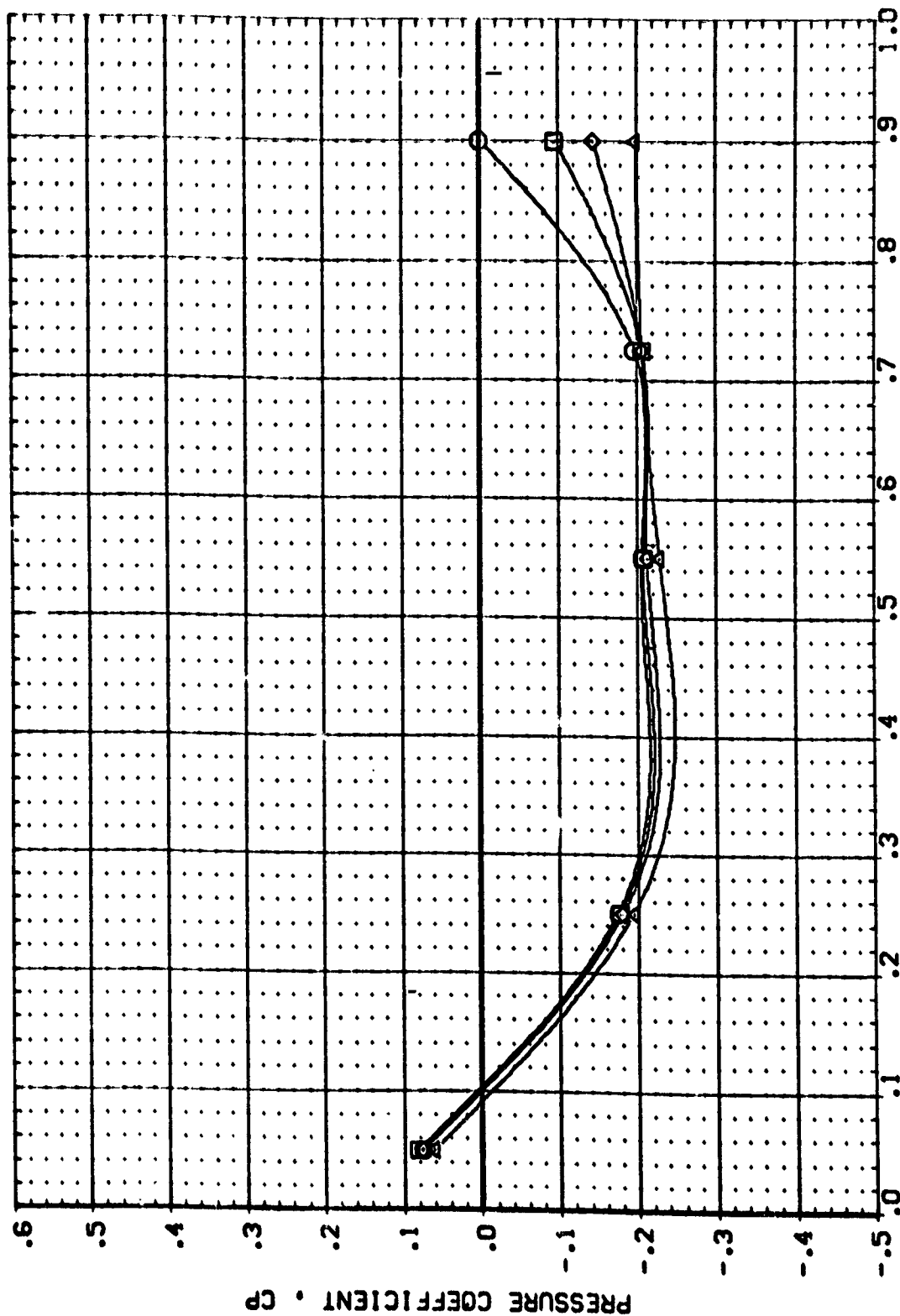
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SR-PR	RUDDER
(RBVT21)	ARC 97-710 IAI28 OI T1 S1 (TOP VING)	.000			.000
(RBVT55)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)	.000			.000
(RBVT56)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)	1.000	.409	.557	.000
(RBVT57)	ARC 97-710 IAI28 OI T1 S2 (TOP VING)	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .427 PAGE 278

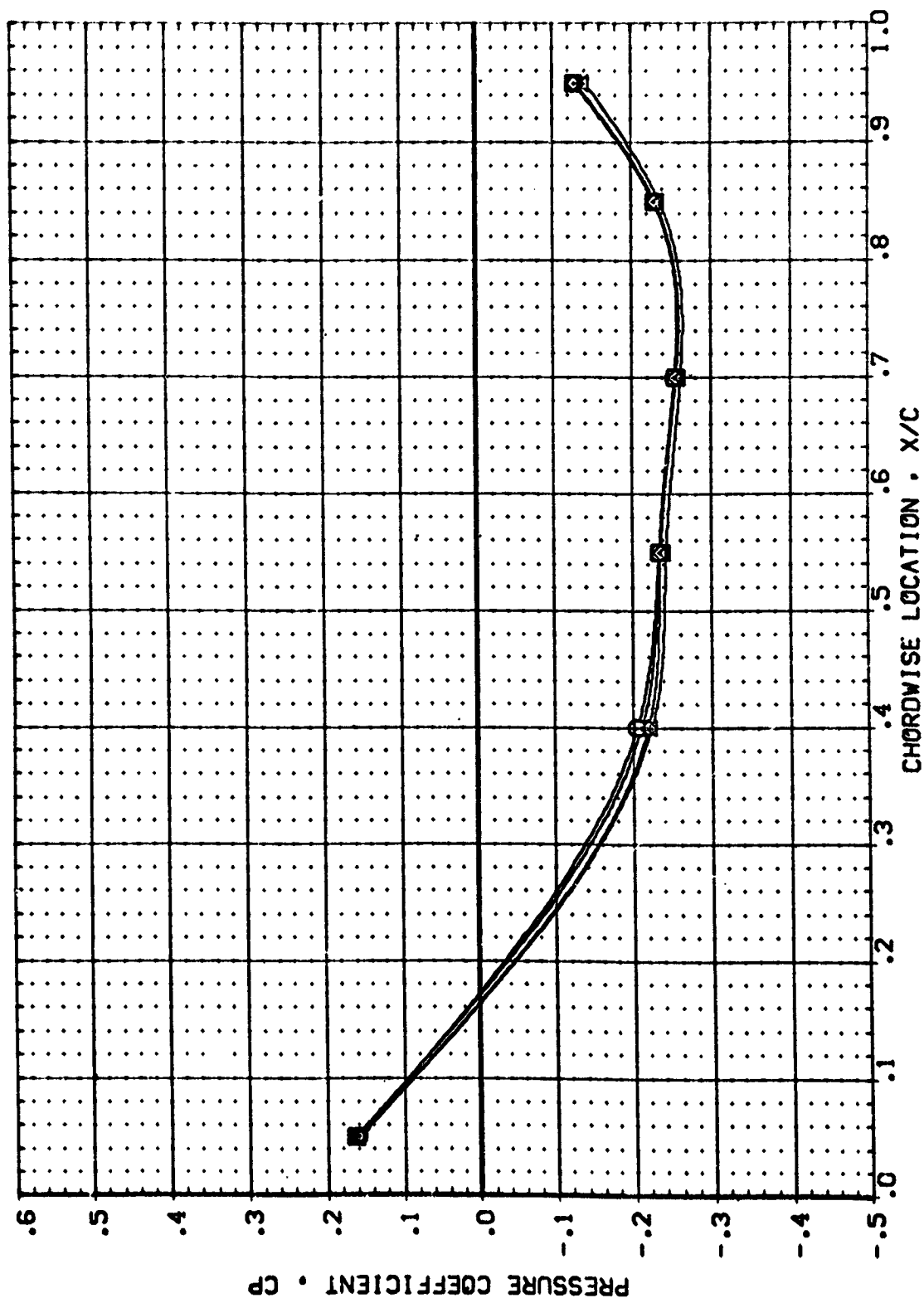
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SWPR	RUDER
RBVT21	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000			.000
RBVT55	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	.000			.000
RBVT56	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	.557	.000
RBVT57	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .534

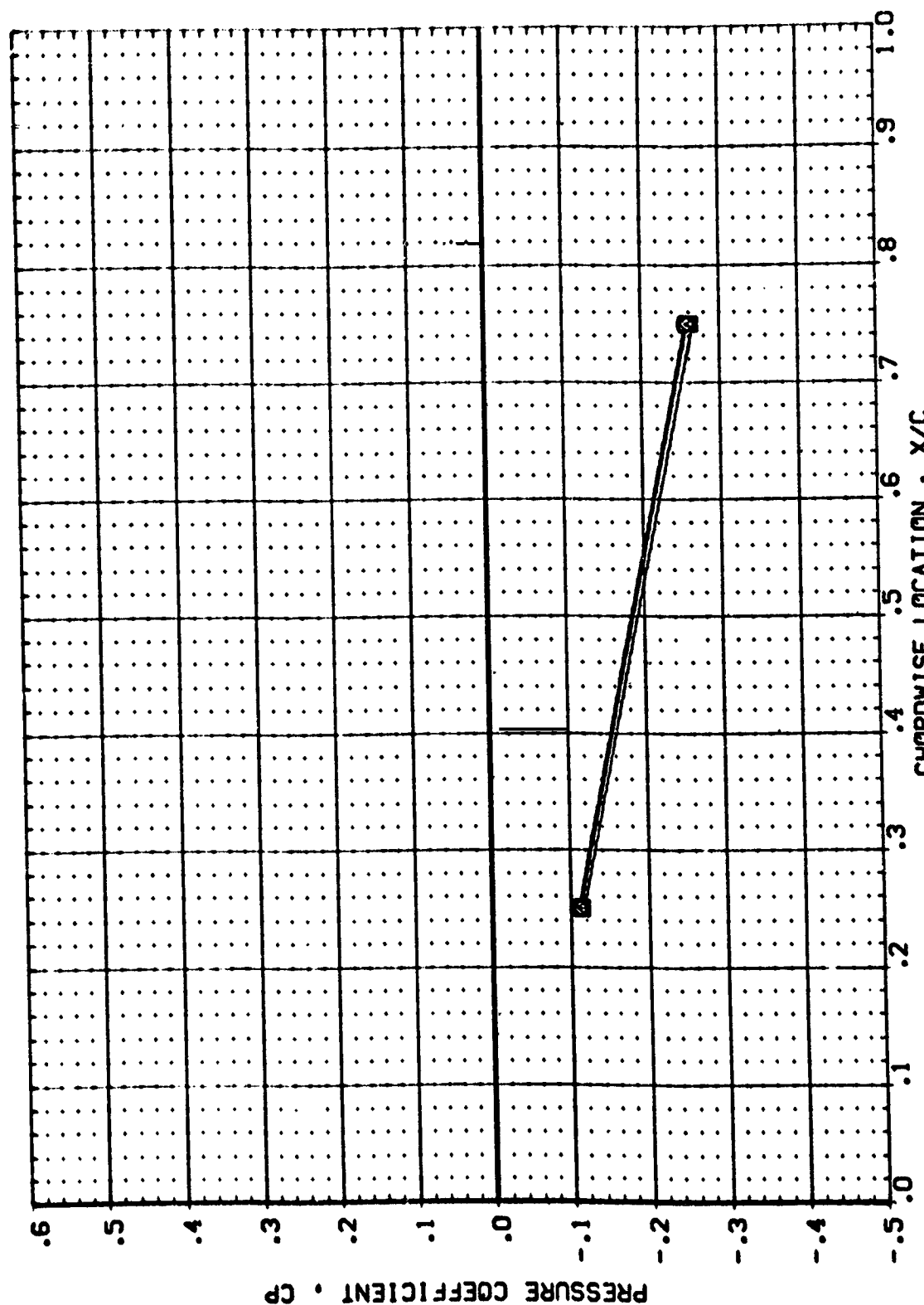
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPRR	RDOER
(RBV721)	ARC 97-710 [A128 01 T1 S1 (TOP VING)]	.000			.000
(RBV755)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	.000			.000
(RBV756)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	.557	.000
(RBV757)	ARC 97-710 [A128 01 T1 S2 (TOP VING)]	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDDER
REV121	ARC 97-710 IAI28 OI T1 S1 (TOP WING) II	.000			.000
REV155	ARC 97-710 IAI28 OI T1 S2 (TOP WING) II	.000			.000
REV156	ARC 97-710 IAI28 OI T1 S2 (TOP WING) II	.000	.408	.557	.000
REV157	ARC 97-710 IAI28 OI T1 S2 (TOP WING) II	1.000	.408	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = .440 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

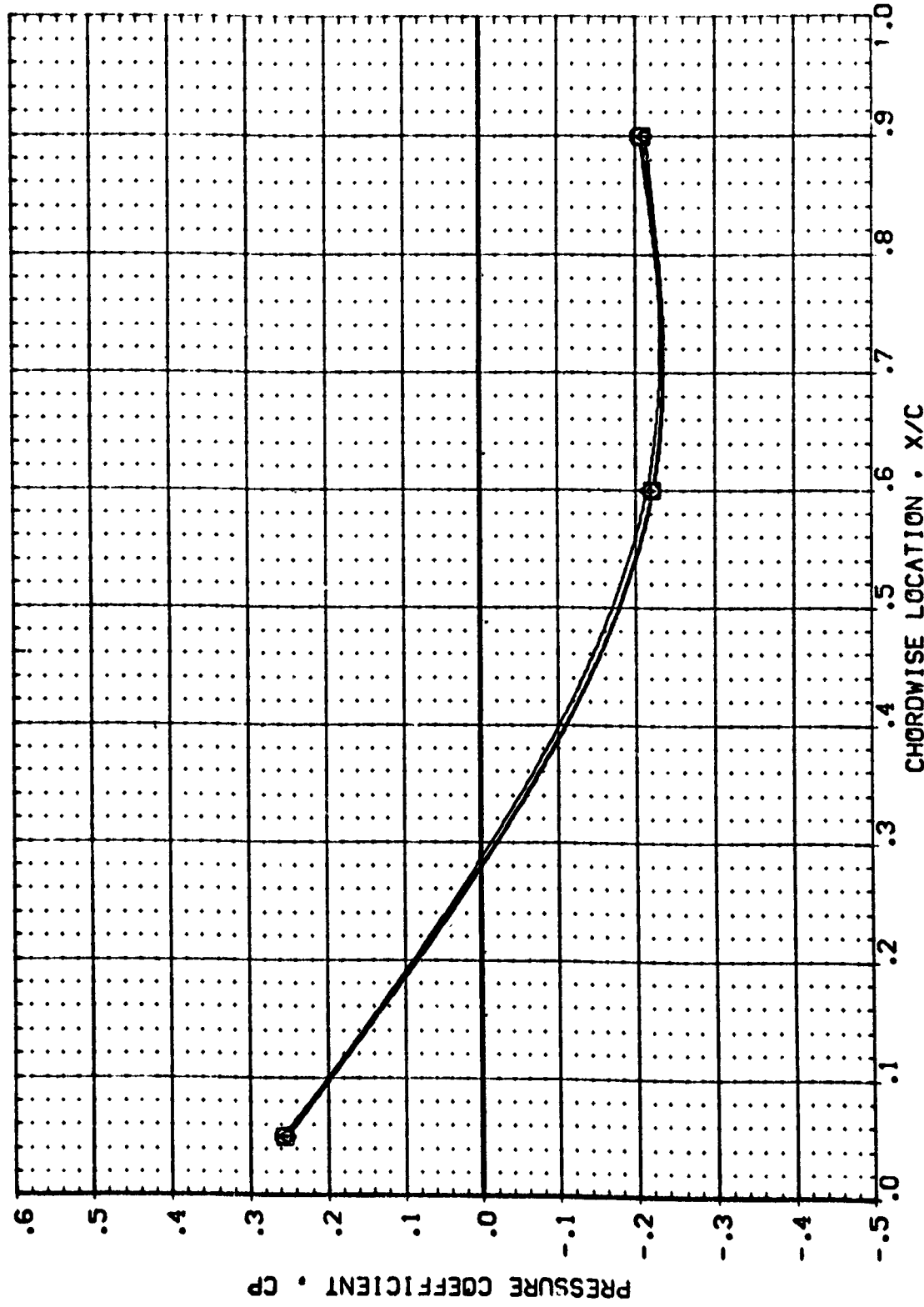
(RBVT21) ARC 97-710 [A128 01 T1 S1 (TOP WING)] ||
 (RBVT55) ARC 97-710 [A128 01 T1 S2 (TOP WING)] ||
 (RBVT56) ARC 97-710 [A128 01 T1 S2 (TOP WING)] ||
 (RBVT57) ARC 97-710 [A128 01 T1 S2 (TOP WING)] ||

POWER .000
 .000
 1.000
 1.000

OPR .409
 .409

SRWPR .557
 1.245

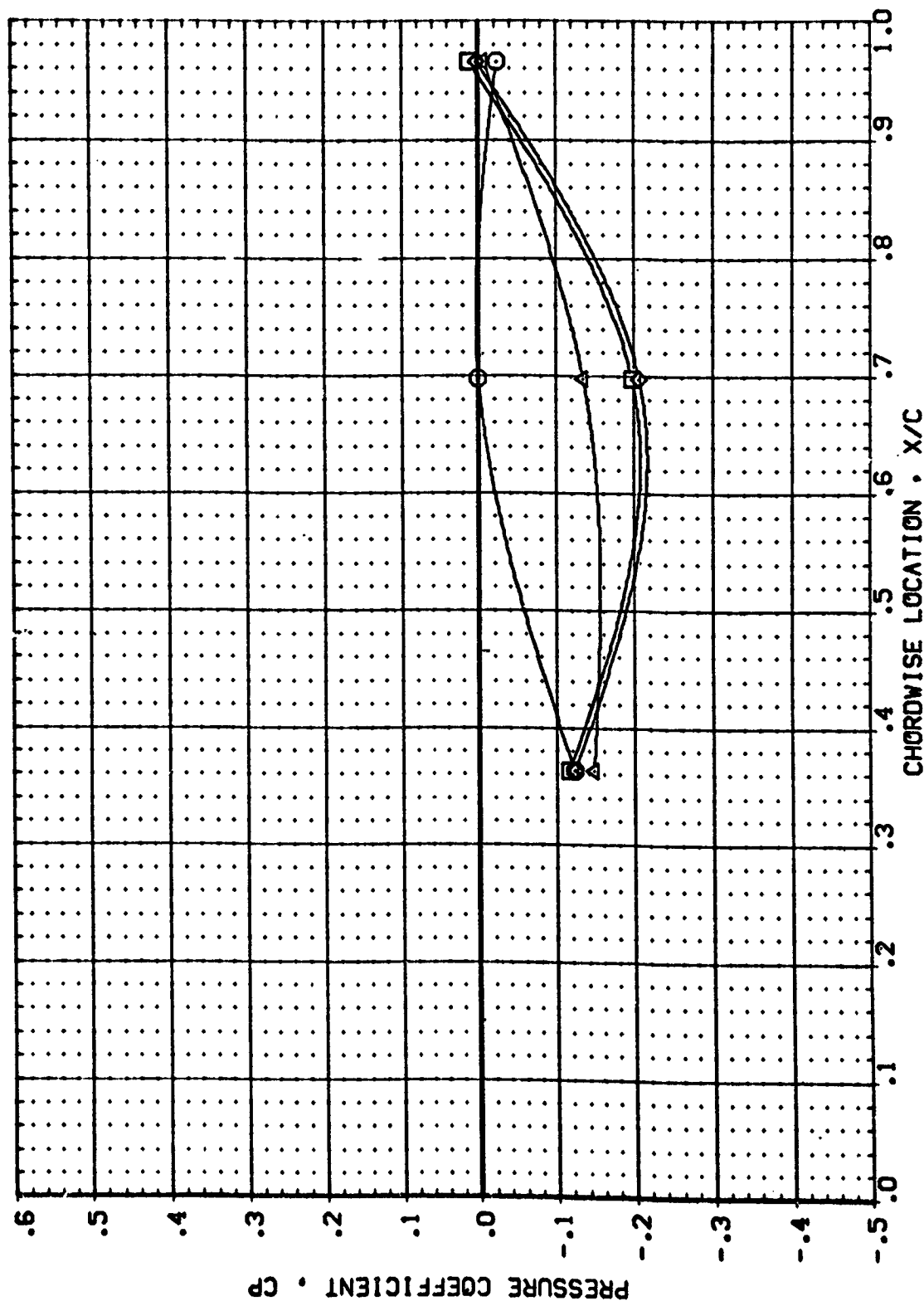
RUDGER .000
 .000
 .000
 .000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

MACH = 2.000 ALPHA = .440 ETA = .887

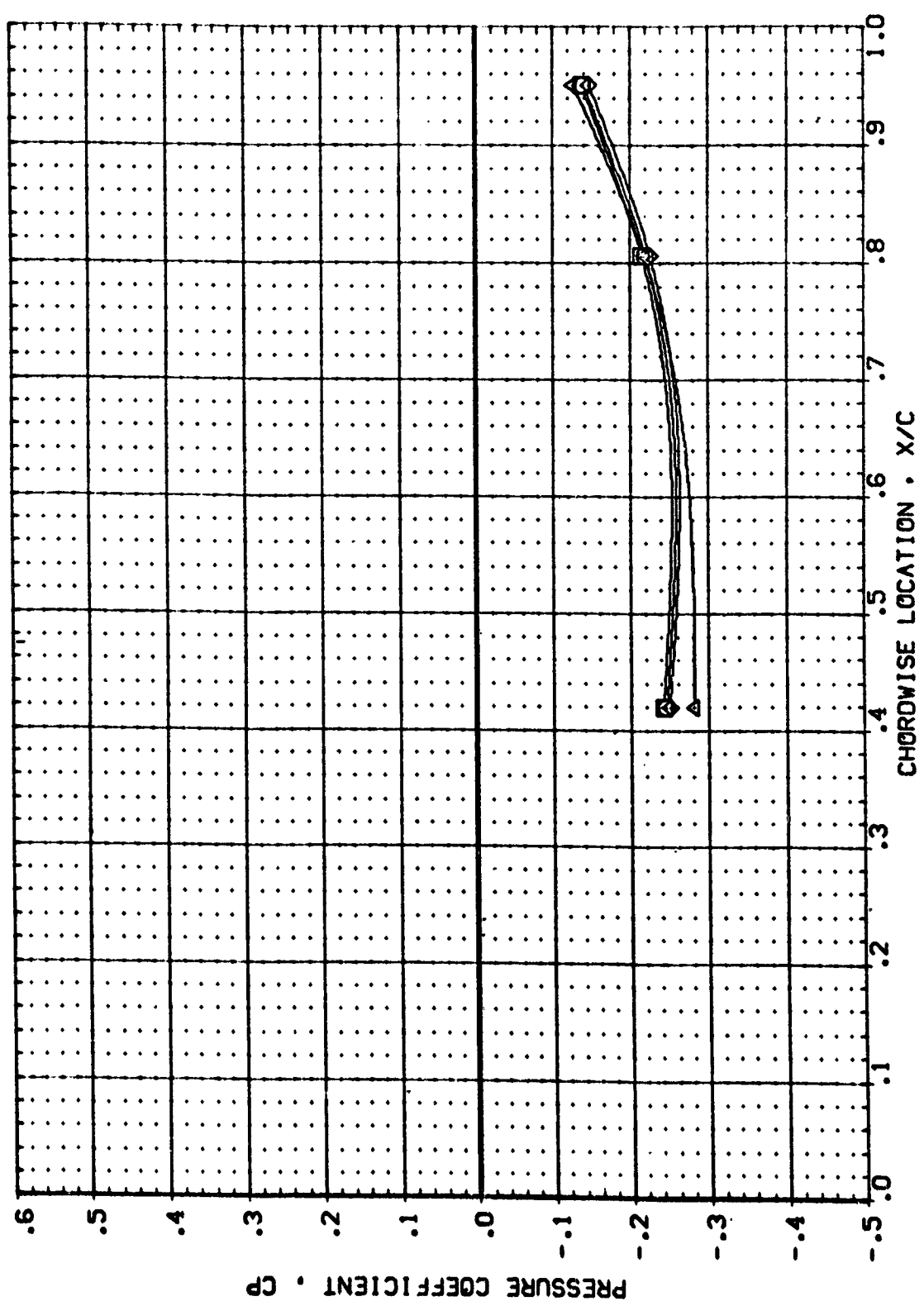
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SWPR	RUDDER
(RBV121)	ARC 97-710 (A128 O1 T1 S1 (TOP WING))	.000			.000
(RBV155)	ARC 97-710 (A128 O1 T1 S2 (TOP WING))	.000			.000
(RBV156)	ARC 97-710 (A128 O1 T1 S2 (TOP WING))	1.000	.408	.557	.000
(RBV157)	ARC 97-710 (A128 O1 T1 S2 (TOP WING))	1.000	.408	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .299

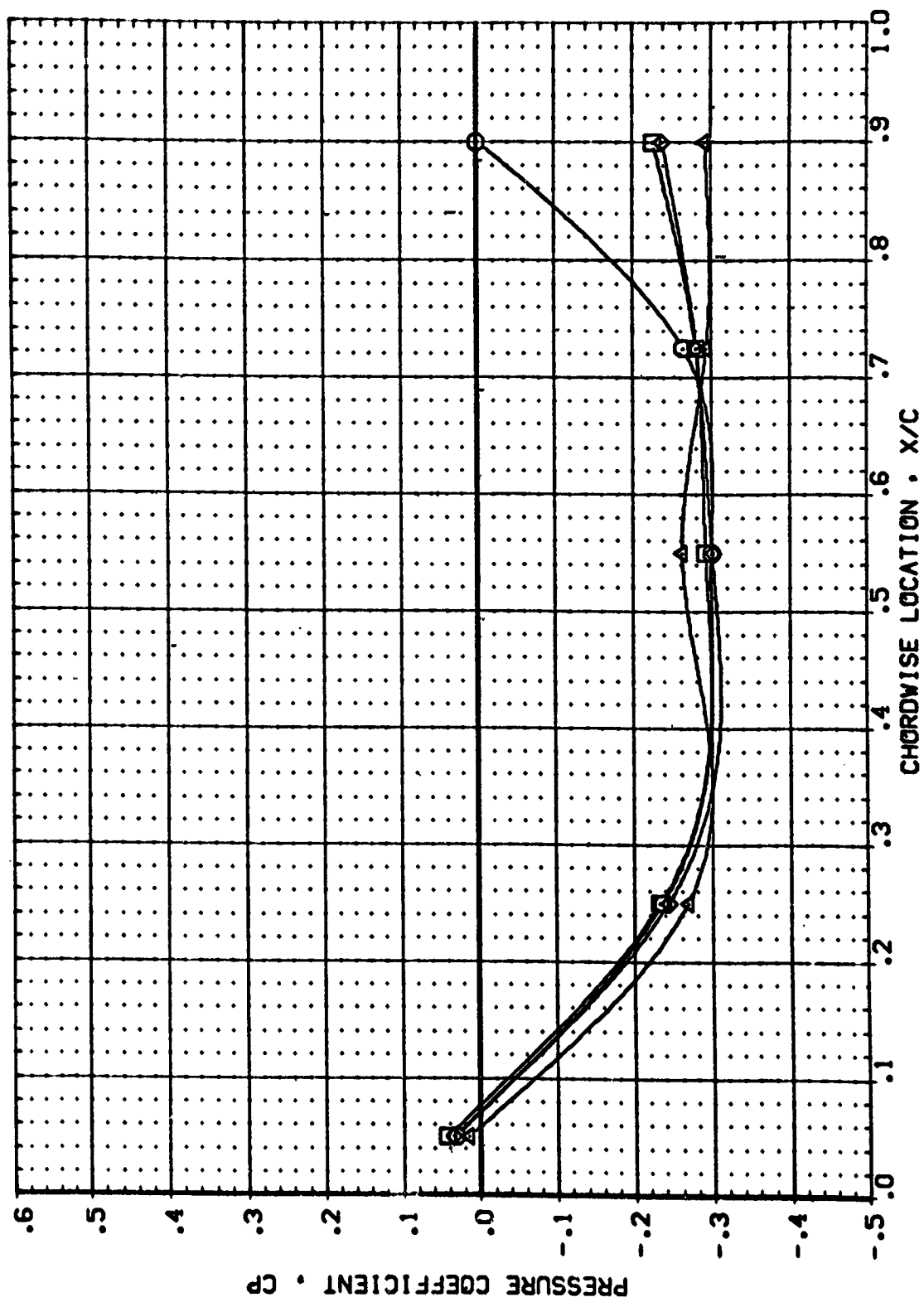
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBV121)	ARC 97-710 1A128 O1 T1 S1 (TOP WING)	.000			.000
(RBV155)	ARC 97-710 1A128 O1 T1 S2 (TOP WING)	.000			.000
(RBV156)	ARC 97-710 1A128 O1 T1 S2 (TOP WING)	1.000	.409	.557	.000
(RBV157)	ARC 97-710 1A128 O1 T1 S2 (TOP WING)	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .427 PAGE 284

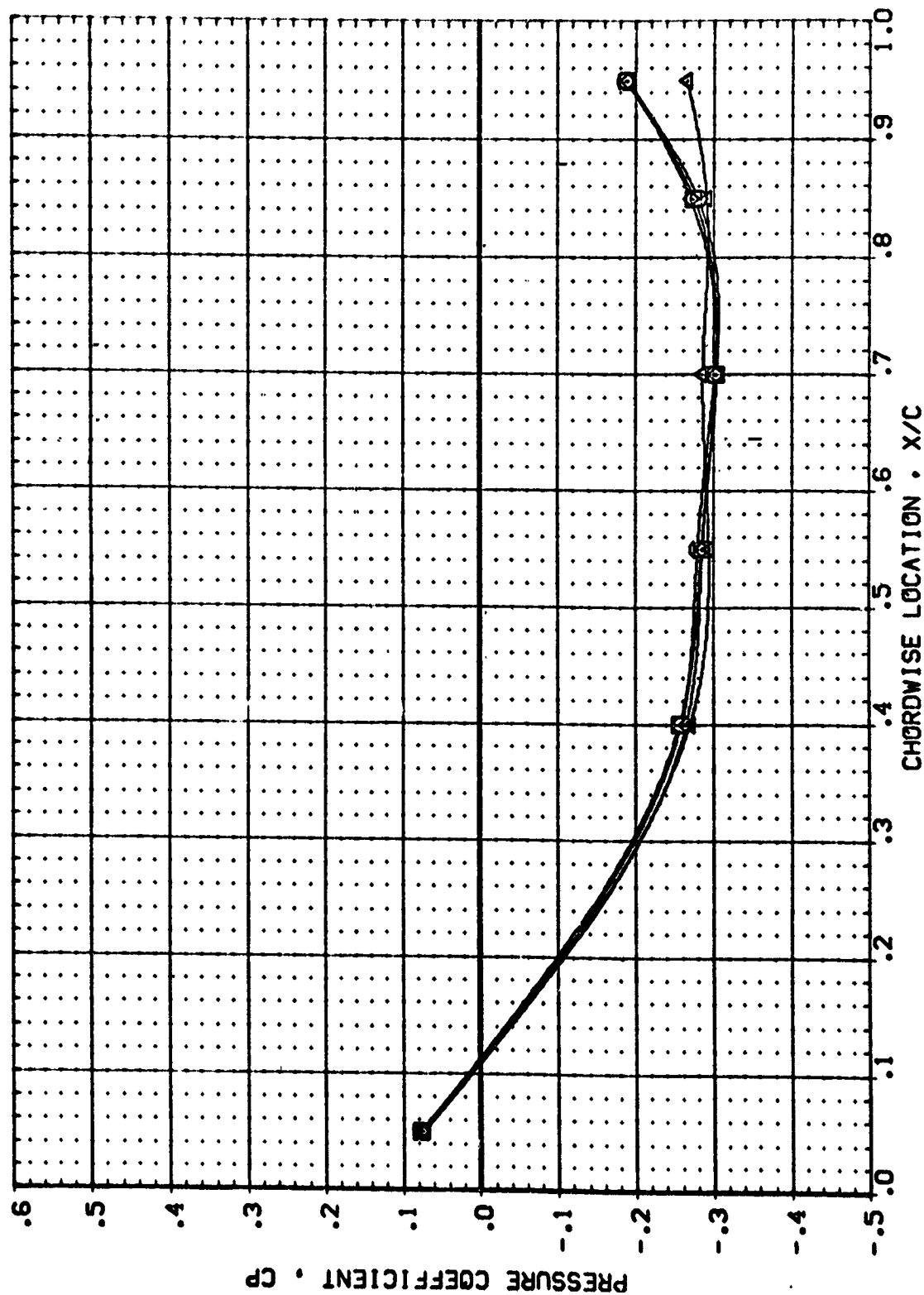
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNMPR	RUDDER
(RBVT21)	ARC 97-710 1A128 01 T1 S1 (TOP WING)	.000			.000
(RBVT55)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	.000			.000
(RBVT56)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	1.000	.409	.557	.000
(RBVT57)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .534

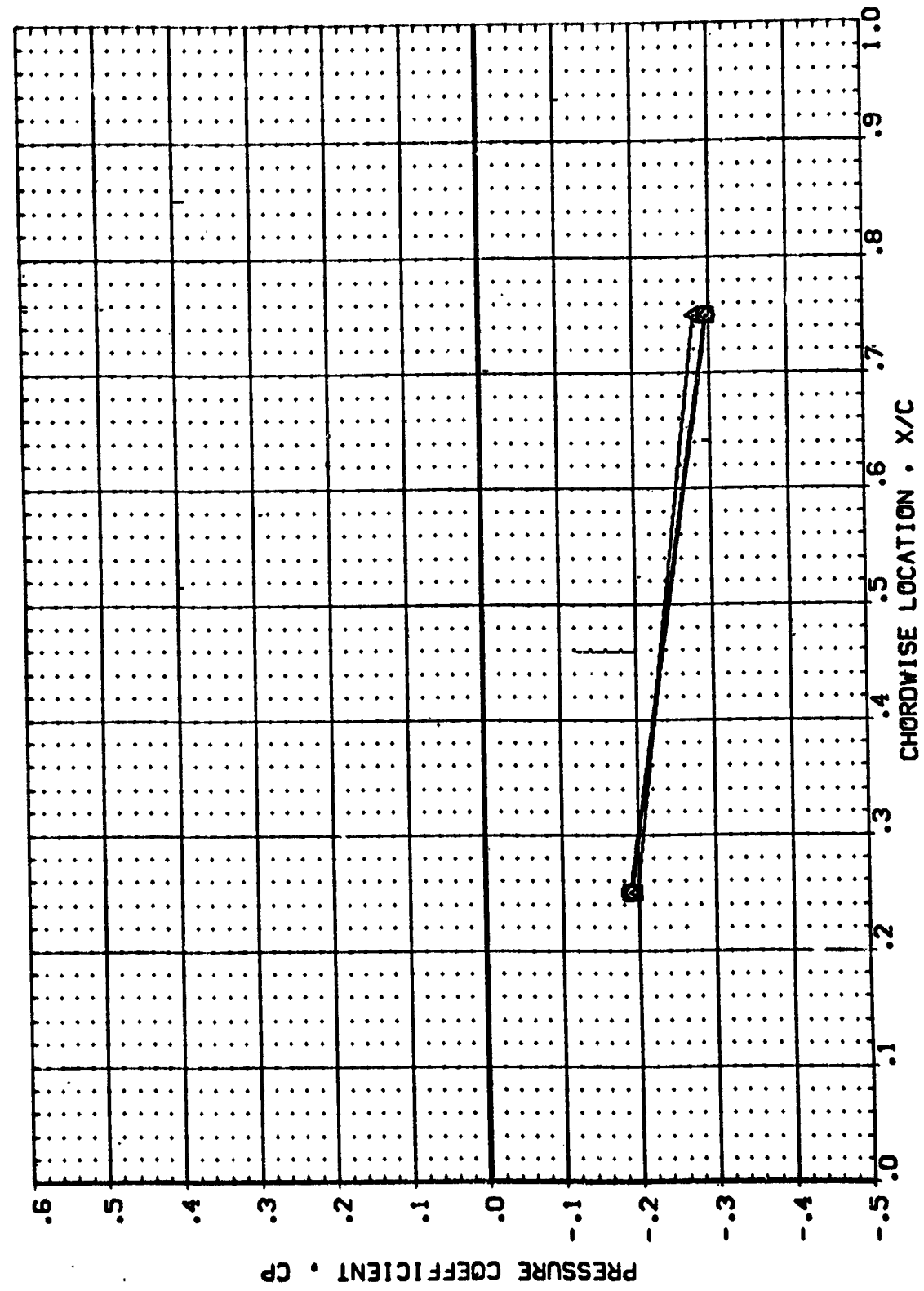
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBVT21)	ARC 97-710 IAI28 01 T1 S1 (TOP WING)	.000			.000
(RBVT55)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	.000			.000
(RBVT56)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	1.000	.409	.557	.000
(RBVT57)	ARC 97-710 IAI28 01 T1 S2 (TOP WING)	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMPR	RUDDER
(RBVT21)	ARC 97-710 1A128 01 T1 S1 (TOP WING)	.000			.000
(RBVT55)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	.000			.000
(RBVT56)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	1.000	.409	.577	.000
(RBVT57)	ARC 97-710 1A128 01 T1 S2 (TOP WING)	1.000	.409	1.245	.000

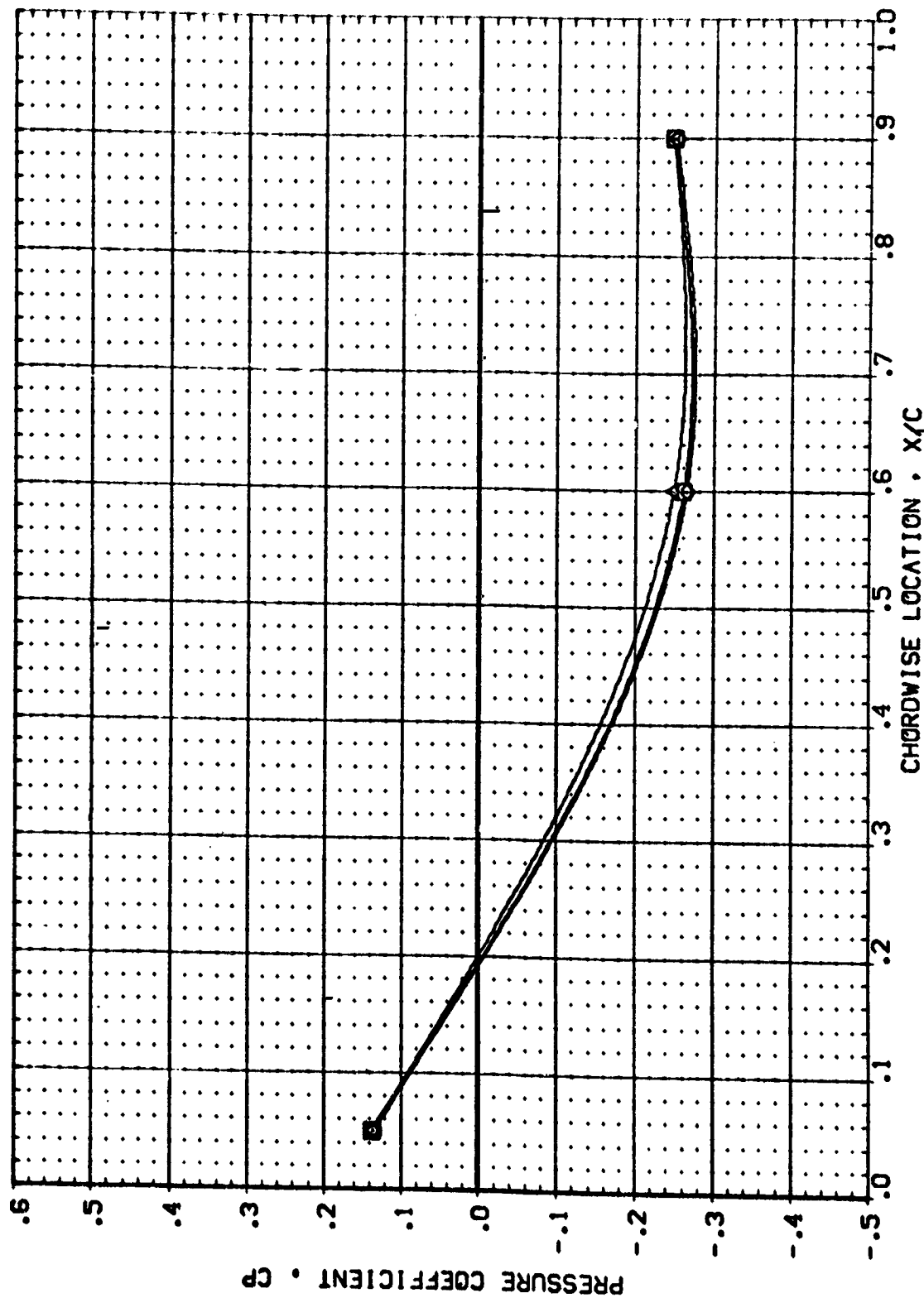


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING TOP

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBT21) ARC 97-710 [A128 O1 T1 S1 (TOP WING)]
 (RBT55) ARC 97-710 [A128 O1 T1 S2 (TOP WING)]
 (RBT56) ARC 97-710 [A128 O1 T1 S2 (TOP WING)]
 (RBT57) ARC 97-710 [A128 O1 T1 S2 (TOP WING)]

POWER .000 .000 .000 .000
 CDR .409 .409 .557 .557
 RUDDER .000 .000 .000 .000

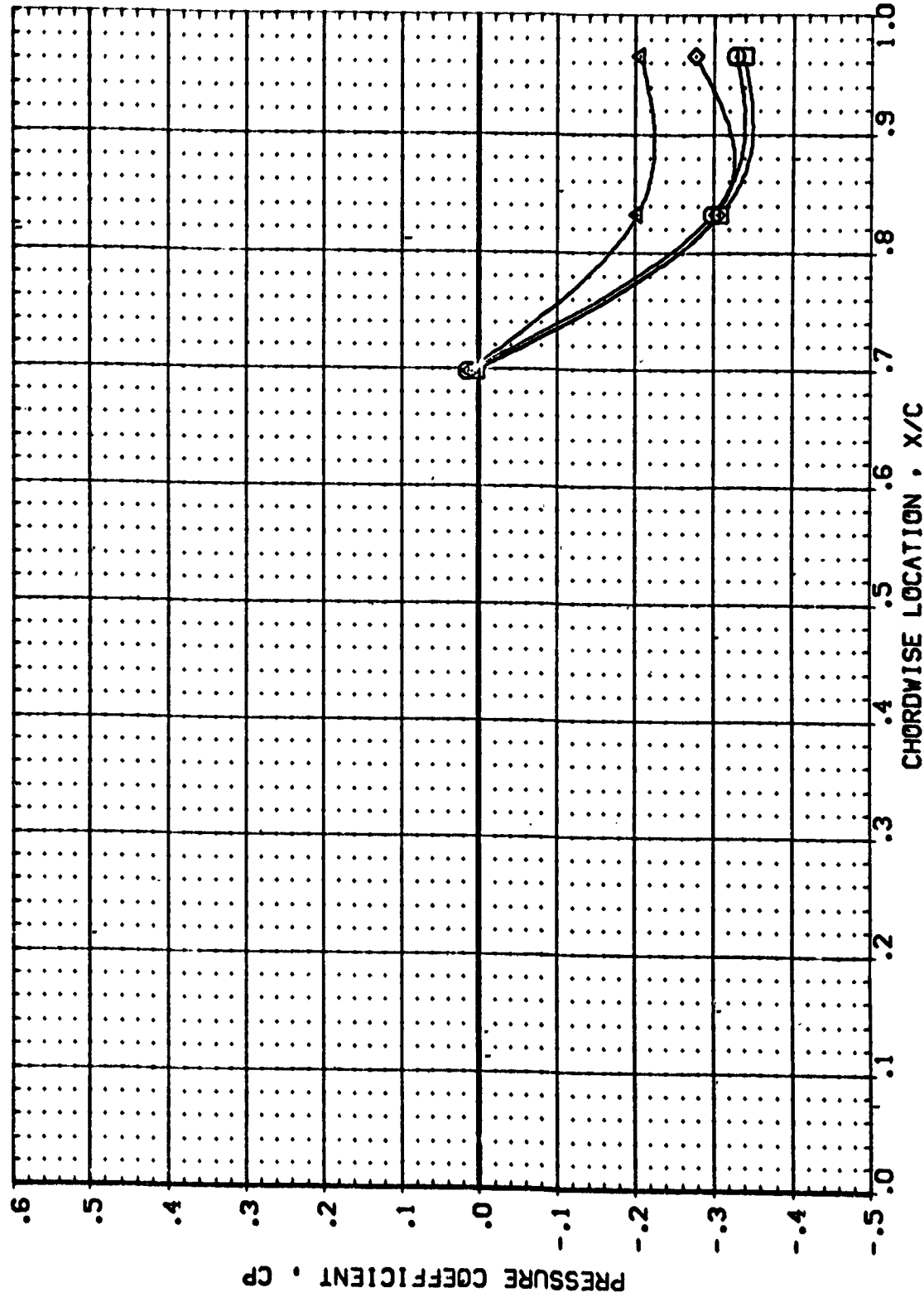


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING TOP

MACH = 2.000 ALPHA = 8.450 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 A128 O1 T1 S1(BOTTOM WING)11
 (RBV854) ARC 97-710 A128 O1 T1 S2(BOTTOM WING)11
 (RBV553) ARC 97-710 A128 O1 T1 S2(BOTTOM WING)11
 (RBV852) ARC 97-710 A128 O1 T1 S2(BOTTOM WING)11

POWER DFR SFRPR RUDDER
 .000 .000 .000 .000
 .000 .000 .469 .000
 1.000 .433 1.050 .000



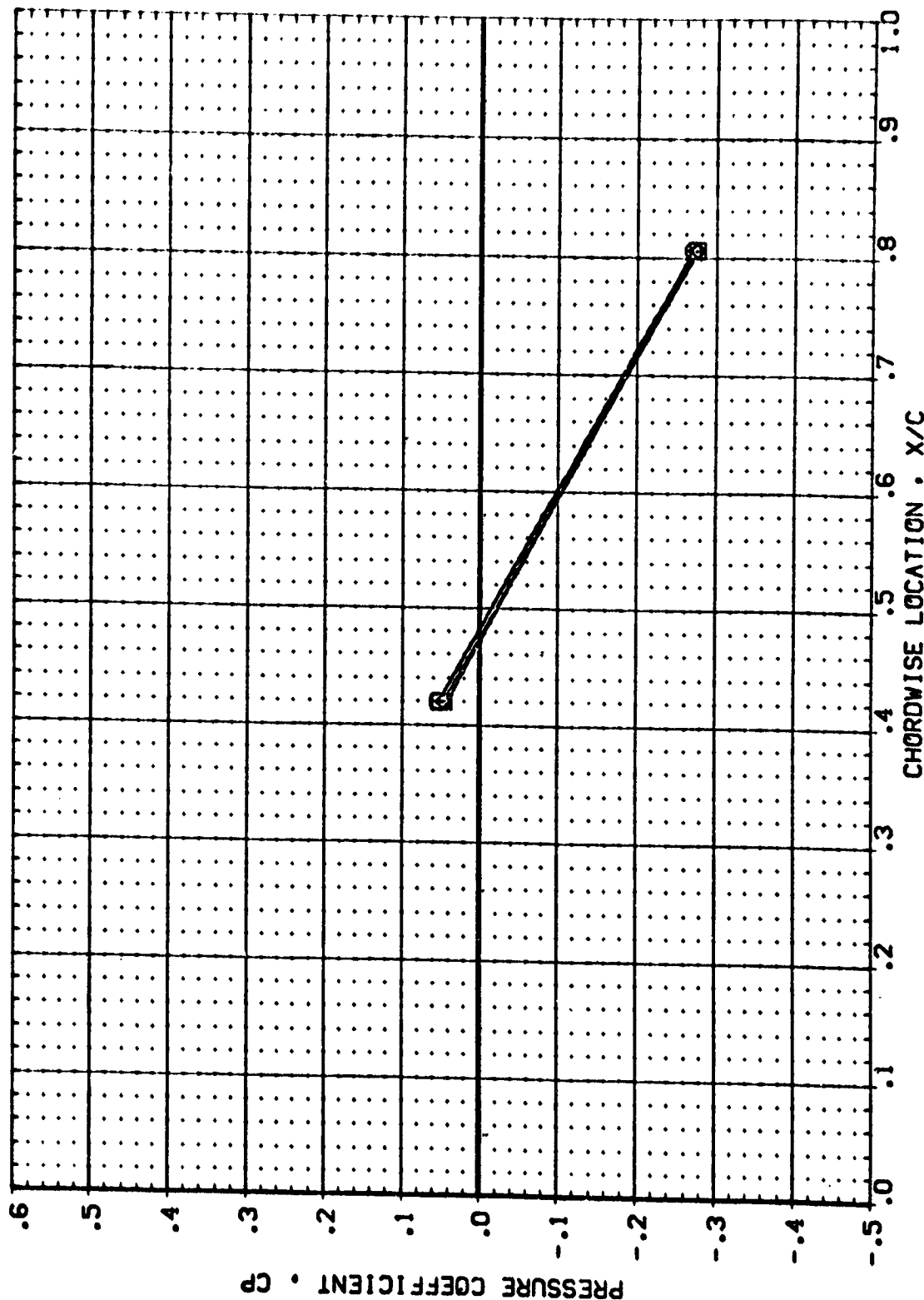
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV854) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV853) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV852) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11

POWER 0.000 0.000 1.000 1.000
 CRR .433 .433
 SWPR .469 1.050
 RUDDER .000 .000 .000 .000

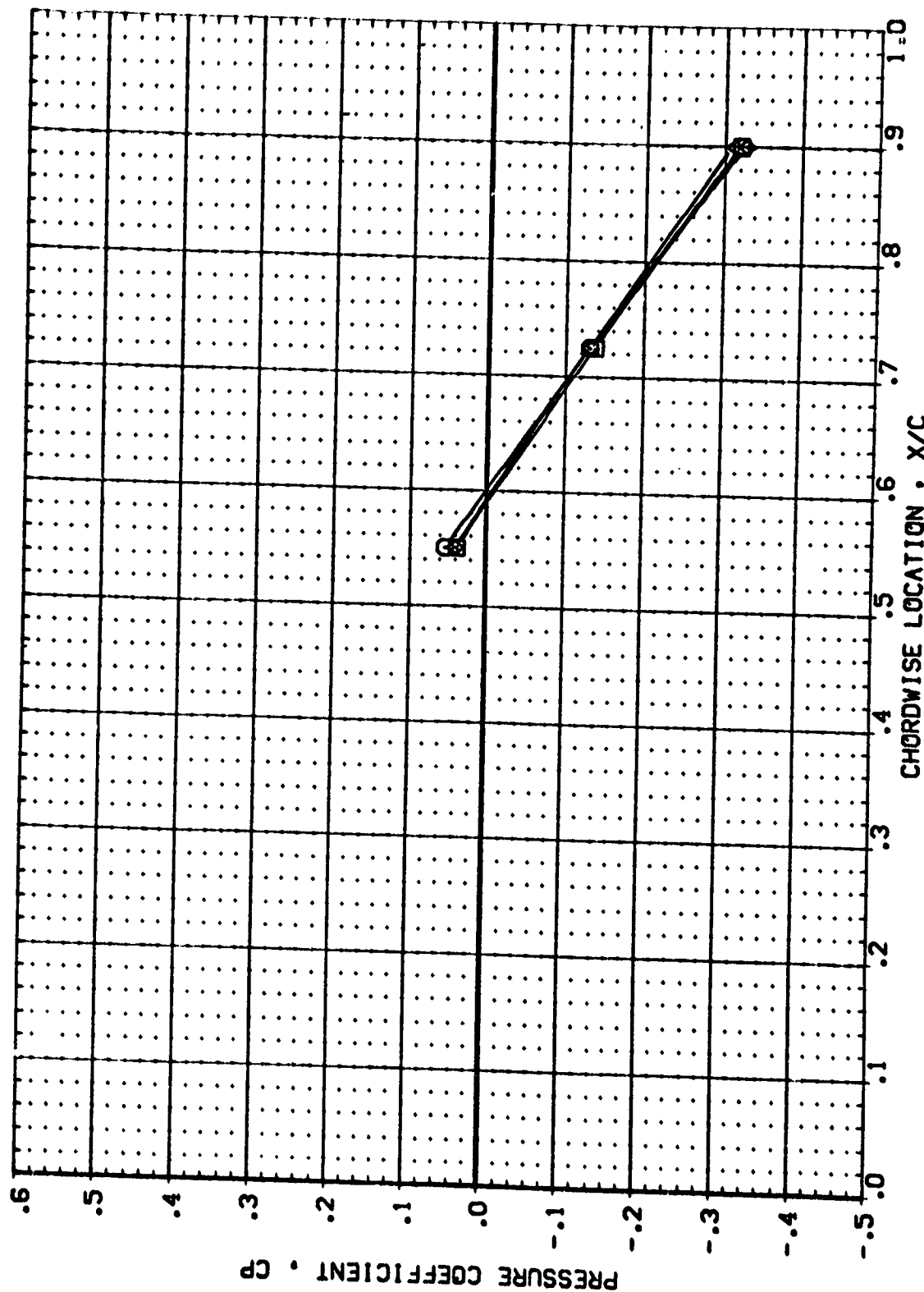


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV622) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV654) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV653) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV652) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11

POWER OPR SHPR RUDDER
 .000 .433 .469 .000
 .000 .433 1.050 .000
 1.000 .433 1.050 .000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

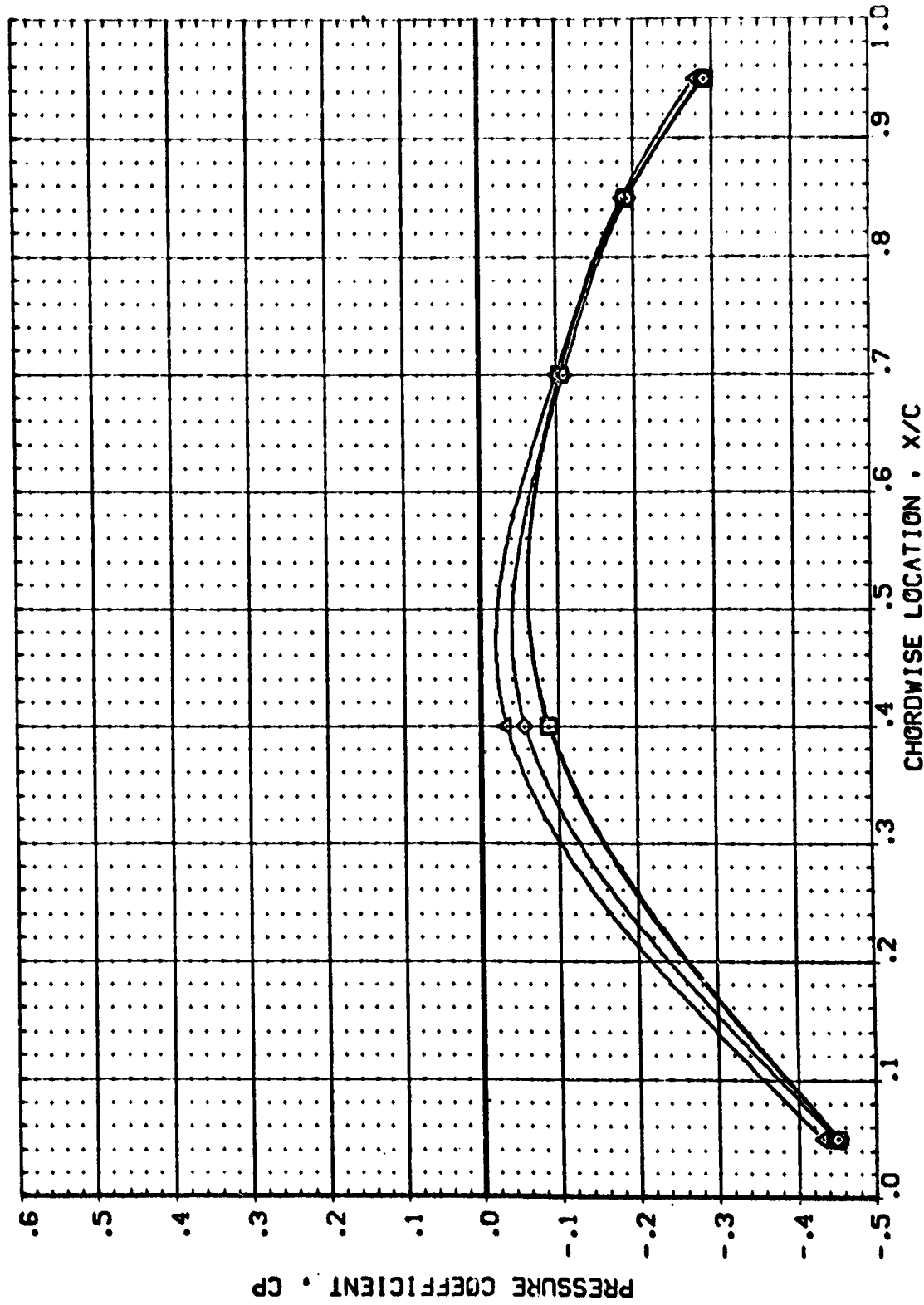
MACH = 1.550 ALPHA = -7.970 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822)	ARC 97-710	IA128	O1	T1	S1(BOTTOM VING)11
(RBV854)	ARC 97-710	IA128	O1	T1	S2(BOTTOM VING)11
(RBV853)	ARC 97-710	IA128	O1	T1	S2(BOTTOM VING)11
(RBV852)	ARC 97-710	IA128	O1	T1	S2(BOTTOM VING)11

POWER DPR SRPR RJDDER

.000	.000	.000	.000
.000	.433	.469	.000
1.000	.433	1.050	.000

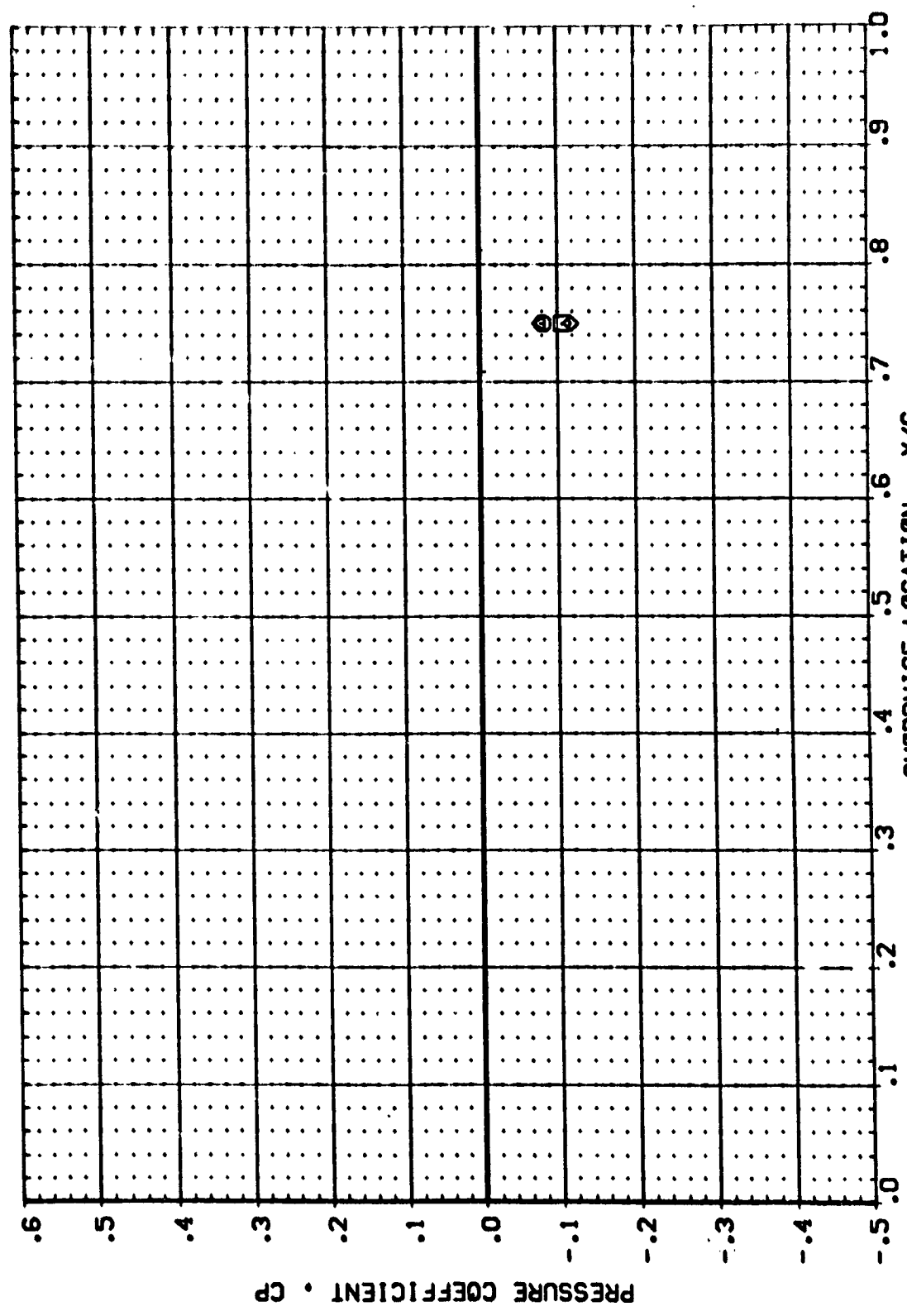


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-71C IA128 OI TI S1(BOTTOM VING)II
 (RBV824) ARC 97-71C IA128 OI TI S2(BOTTOM VING)II
 (RBV823) ARC 97-71D IA128 OI TI S2(BOTTOM VING)II
 (RBV822) ARC 97-71D IA128 OI TI S2(BOTTOM VING)II

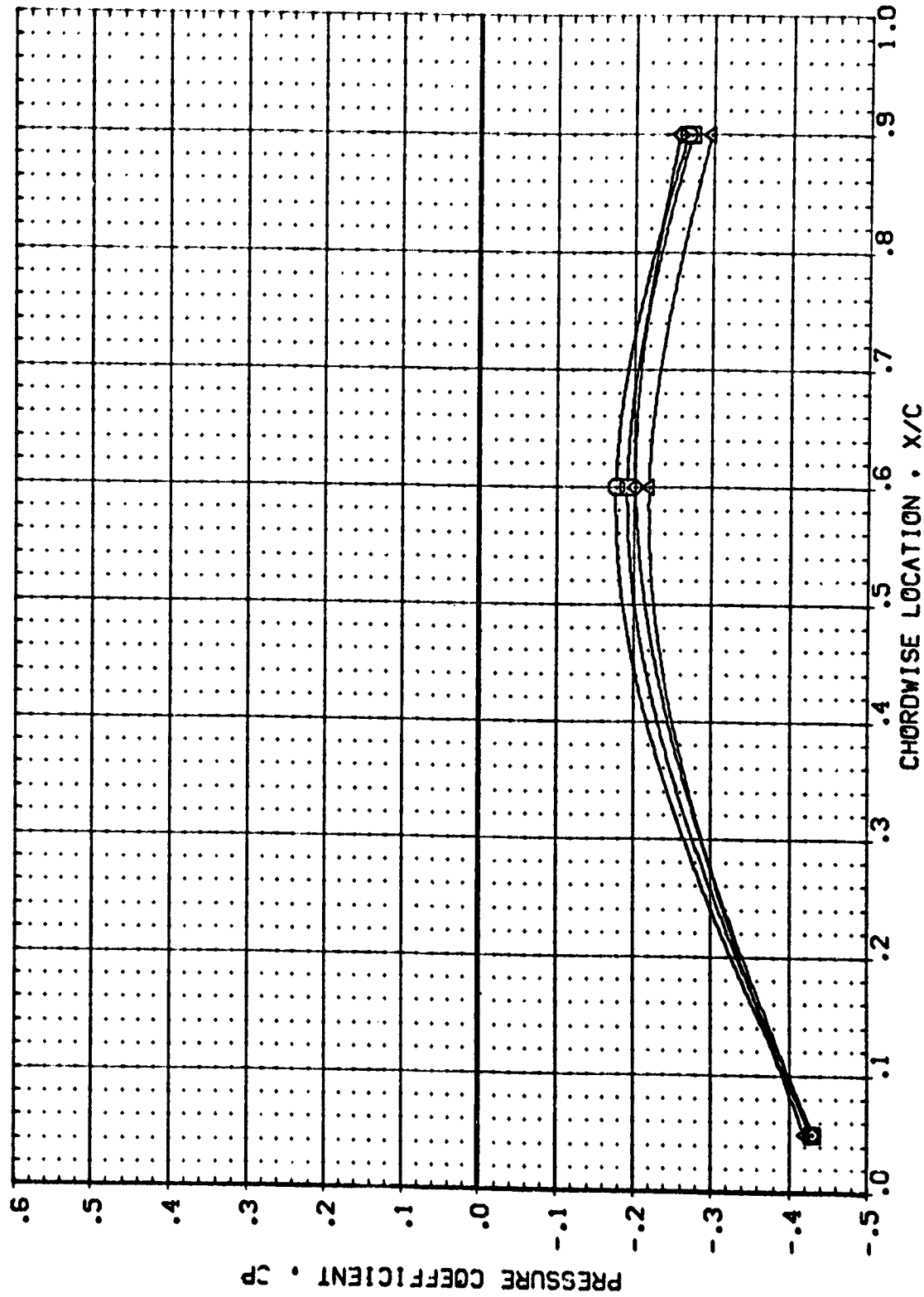
POWER OPR SRMPR RUDDER
 .000 .000 .000
 1.000 .433 .469
 1.000 .433 1.050



CHORDWISE LOCATION : X/C
 SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET 51-60L CONFIGURATION DESCRIPTION
 (R5V822) ARC 97-710 1A128 01 1 S1(BOTTOM VING)11
 (R5V854) ARC 97-710 1A128 01 1 S2(BOTTOM VING)11
 (R5V853) ARC 97-710 1A128 01 1 S2(BOTTOM VING)11
 (R5V852) ARC 97-710 1A128 01 1 S2(BOTTOM VING)11

POWER OPR SRMPR RUDDER
 .000 .000 .000
 1.000 .433 .469
 1.000 .433 1.050



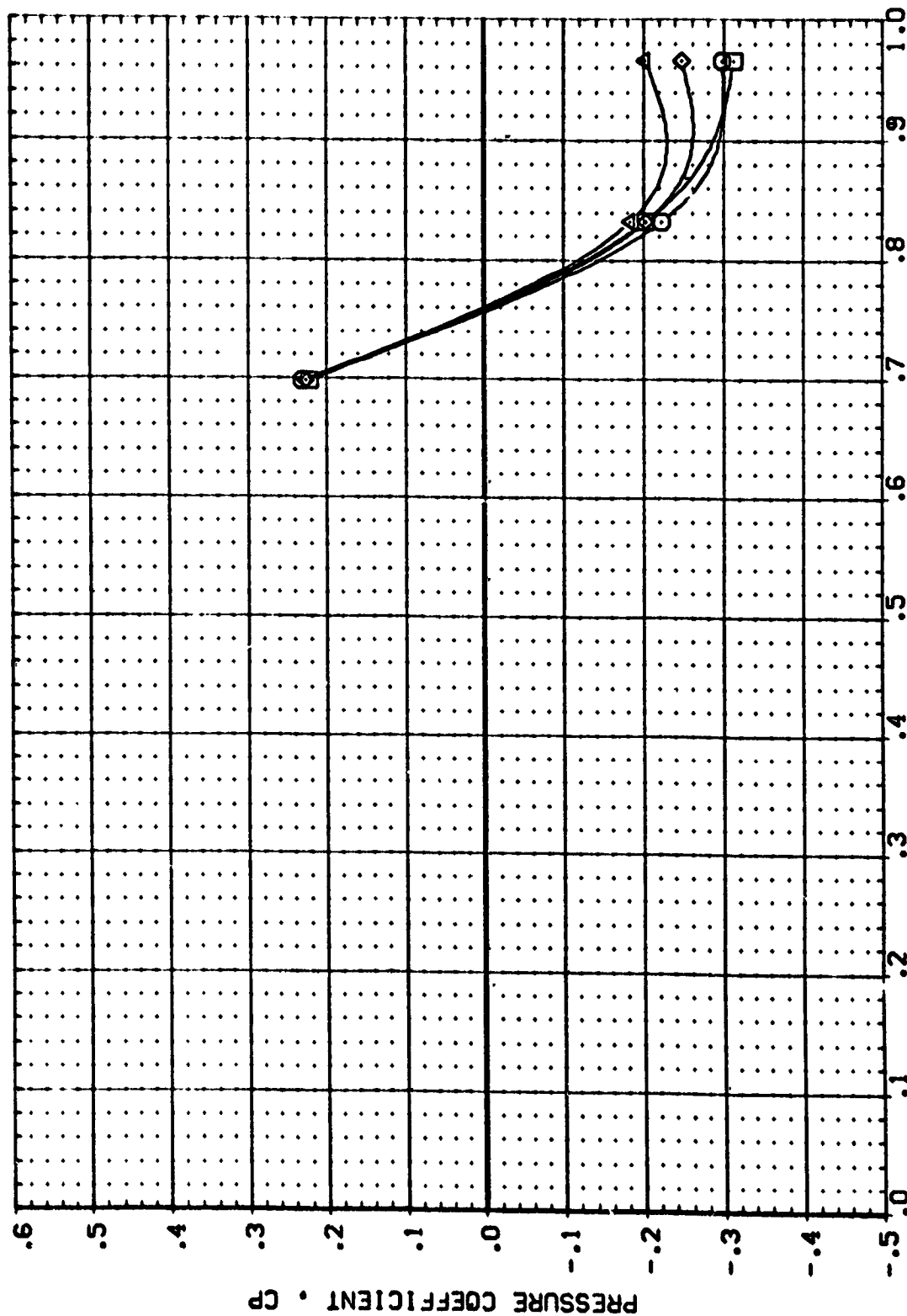
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = -7.970 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822)	ARC 97-710	AI28	01	TI	S1(BOTTOM VING)11
(RBV854)	ARC 97-710	AI28	01	TI	S2(BOTTOM VING)11
(RBV853)	ARC 97-710	AI28	01	TI	S2(BOTTOM VING)11
(RBV852)	ARC 97-710	AI28	01	TI	S2(BOTTOM VING)11

POWER	OPR	SWPR	RUDPR
.000			.000
.000			.000
1.000	.433	.459	.000
		1.050	.000

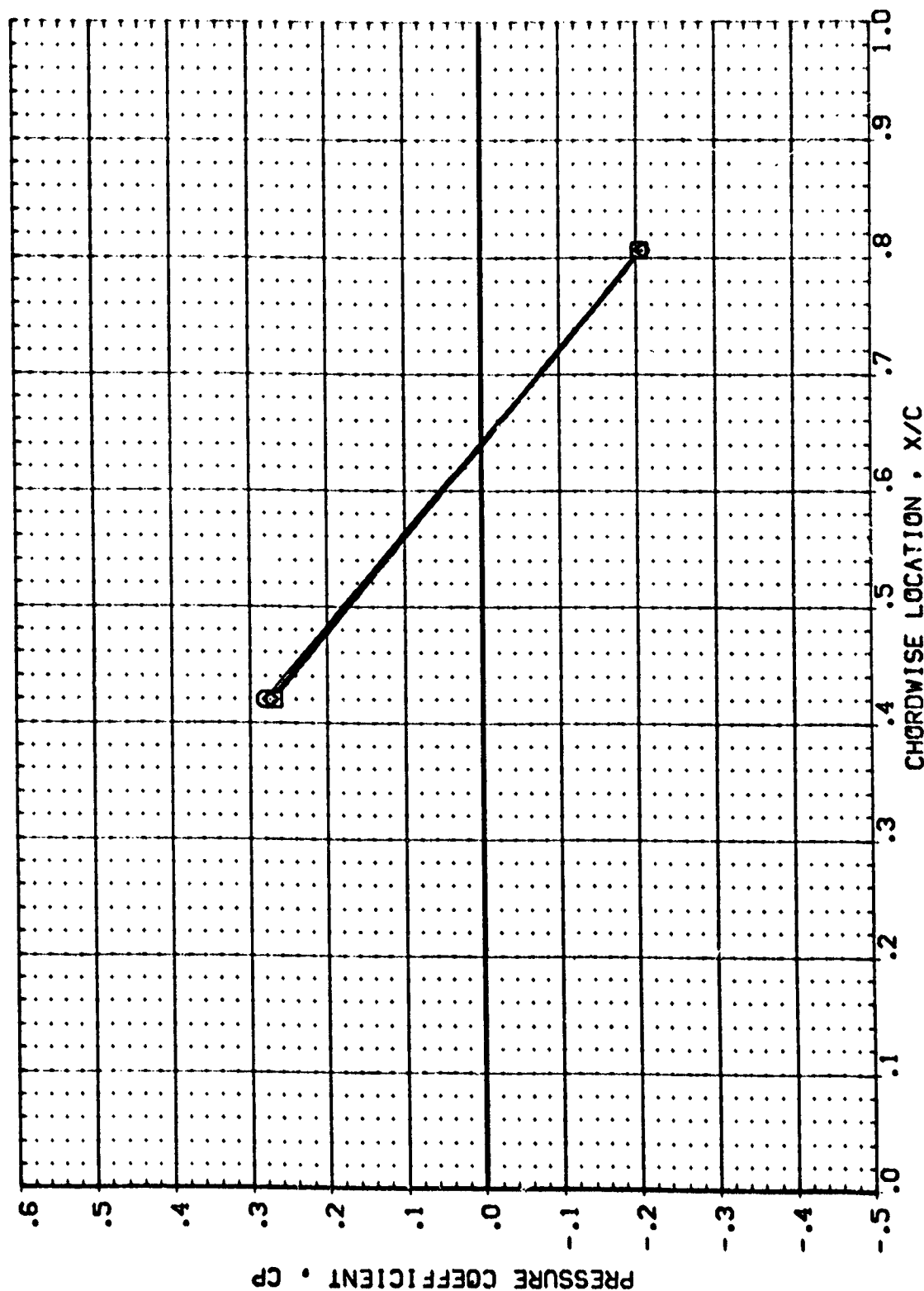


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RB/BZ2) [Symbol] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RB/B54) [Symbol] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RB/B53) [Symbol] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RB/B52) [Symbol] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11

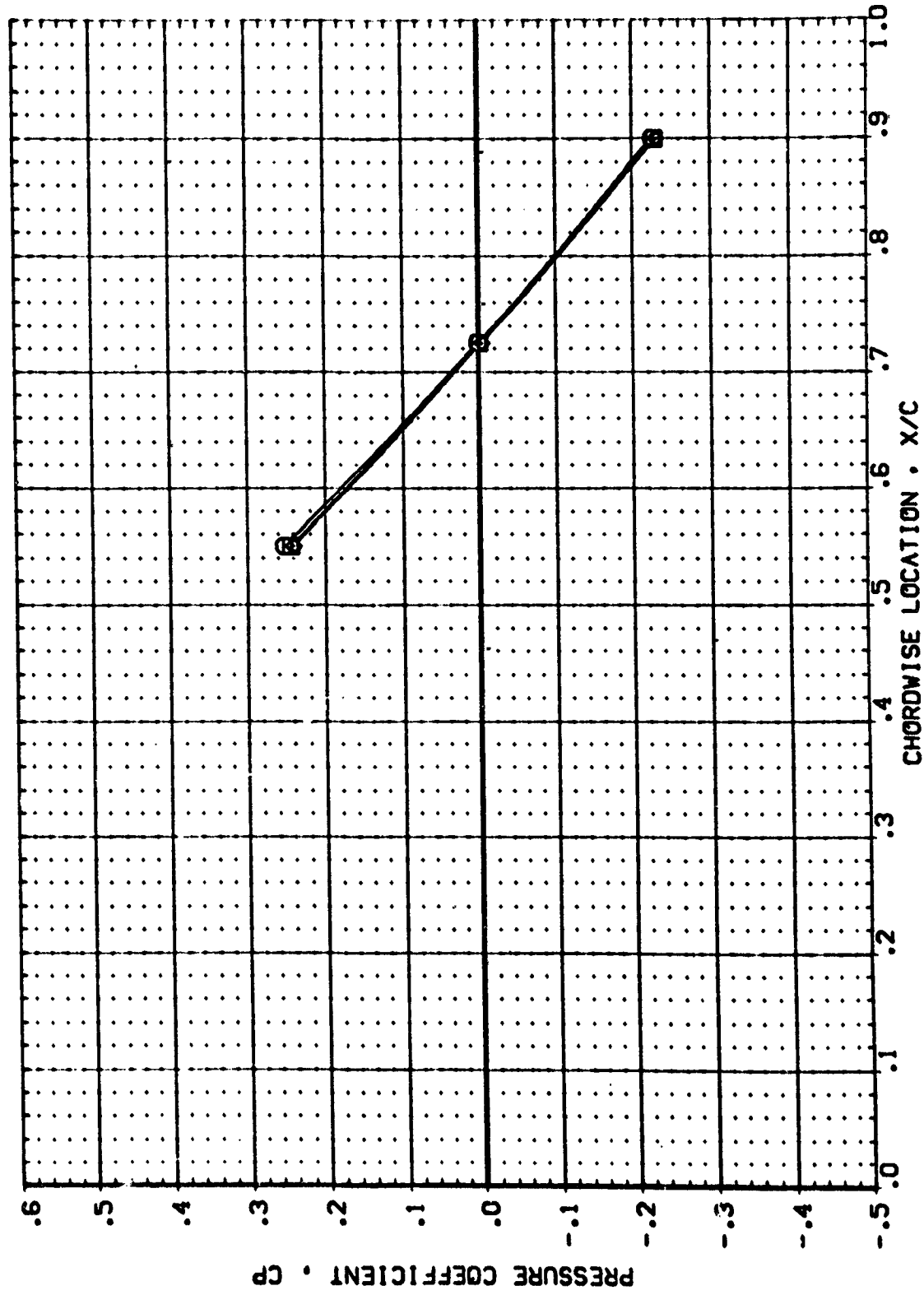
POWER DFR SFRPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .433 .469
 1.000 1.050 .000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .427

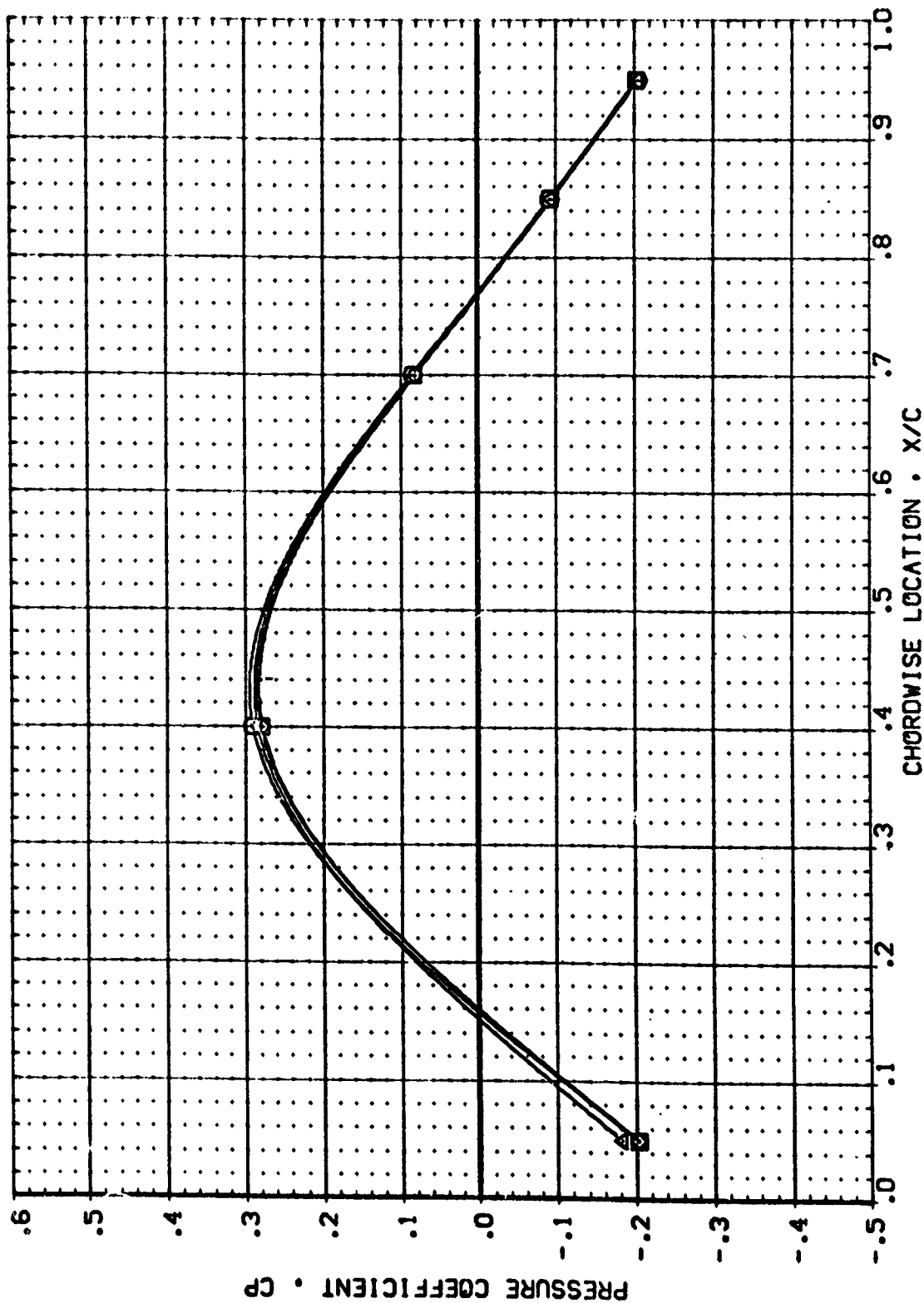
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	DPR	SRPR	FLUDER
(RSV822)	ARC 97-710 IAI28 OI TI S1(BOTTOM WING)!!	.000			.000
(RSV854)	ARC 97-710 IAI28 OI TI S2(BOTTOM WING)!!	.000			.000
(RSV853)	ARC 97-710 IAI28 OI TI S2(BOTTOM WING)!!	1.000	.433	.463	.000
(RSV852)	ARC 97-710 IAI28 OI TI S2(BOTTOM WING)!!	1.000	.433	1.050	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBV822)	ARC 97-710 IA128 01 T1 S1(BOTTOM VING)11	.000			.000
(RBV854)	ARC 97-710 IA128 01 T1 S2(BOTTOM VING)11	.000			.000
(RBV853)	ARC 97-710 IA128 01 T1 S2(BOTTOM VING)11	1.000	.433	.469	.000
(RBV852)	ARC 97-710 IA128 01 T1 S2(BOTTOM VING)11	1.000	.433	1.050	.000



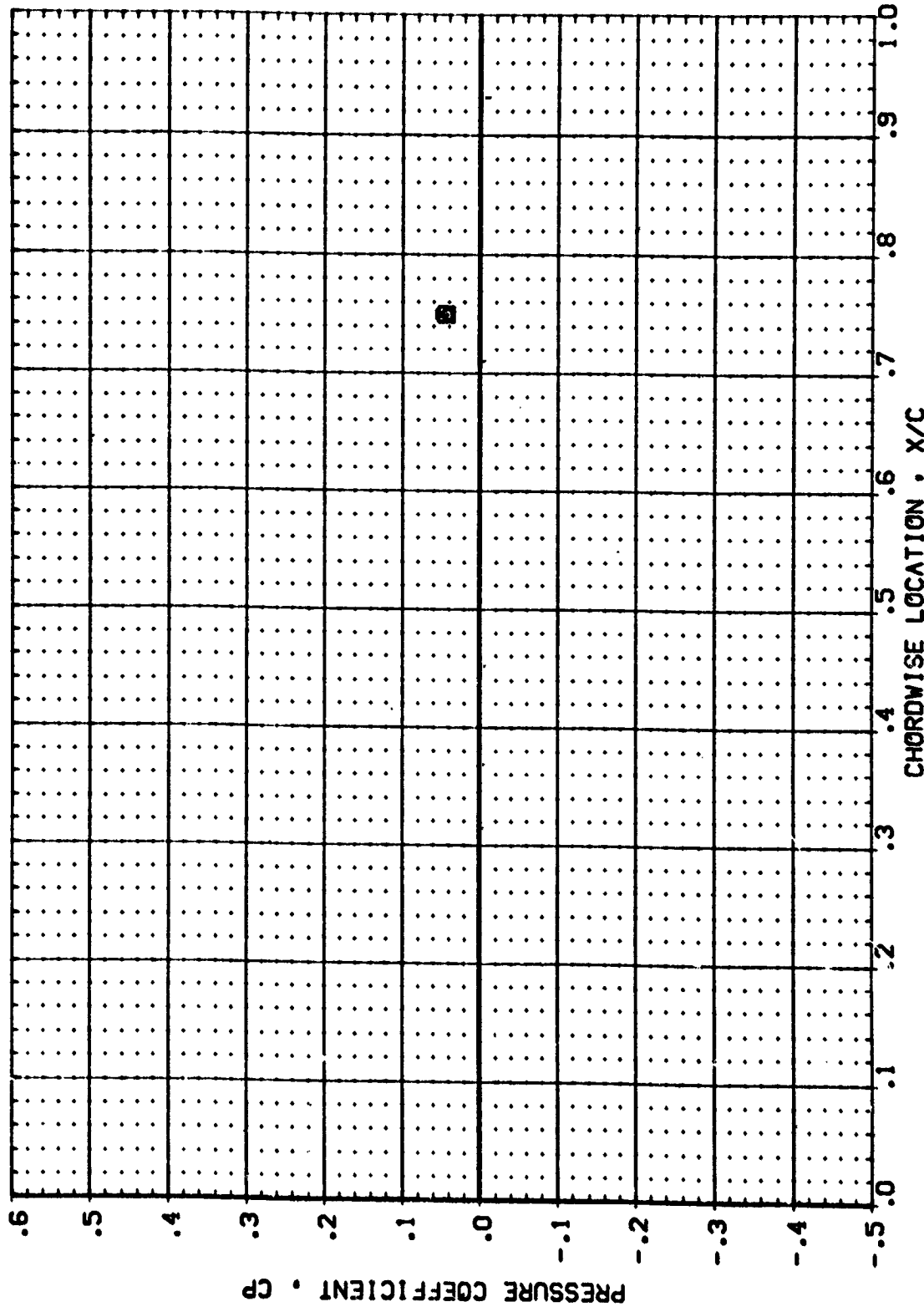
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822) ARC 97-710 [A128 O1 T1 S1(BOTTOM WING)]
 (RBV854) ARC 97-710 [A128 O1 T1 S2(BOTTOM WING)]
 (RBV853) ARC 97-710 [A128 O1 T1 S2(BOTTOM WING)]
 (RBV852) ARC 97-710 [A128 O1 T1 S2(BOTTOM WING)]

POWER DFR SFRPR RUDDER
 .000 .000
 .000 .000
 1.000 .433
 1.000 .433 1.050 .000



CHORDWISE LOCATION - X/C

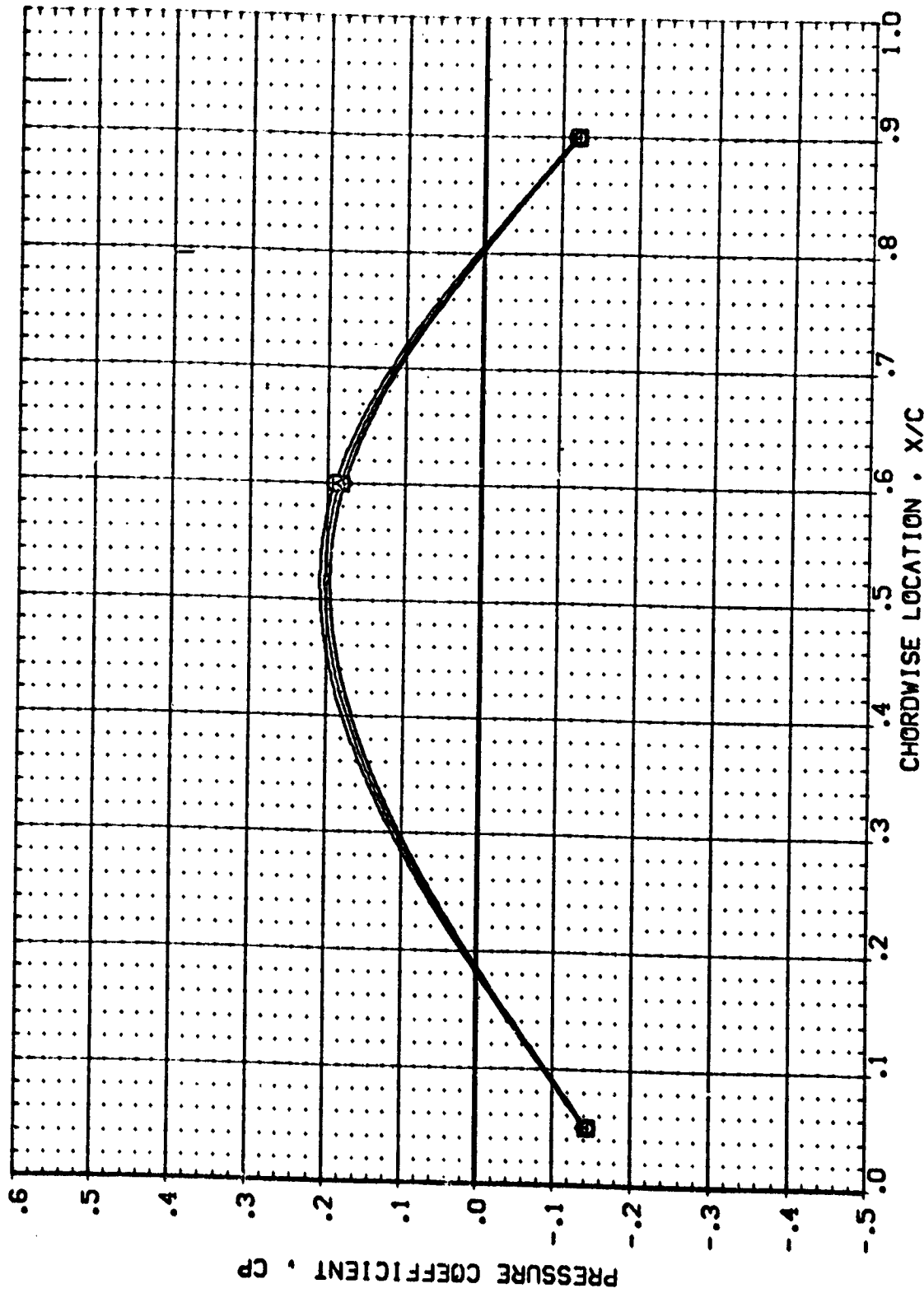
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822)	ARC 97-710	IA128 01	T1	S1(BOTTOM VING)11
(RBV854)	ARC 97-710	IA128 01	T1	S2(BOTTOM VING)11
(RBV853)	ARC 97-710	IA128 01	T1	S2(BOTTOM VING)11
(RBV852)	ARC 97-710	IA128 01	T1	S2(BOTTOM VING)11

POWER	OPR	SRMPR	RUDDER
.000			.000
.000	.433	.469	.000
1.000	.433	1.050	.000

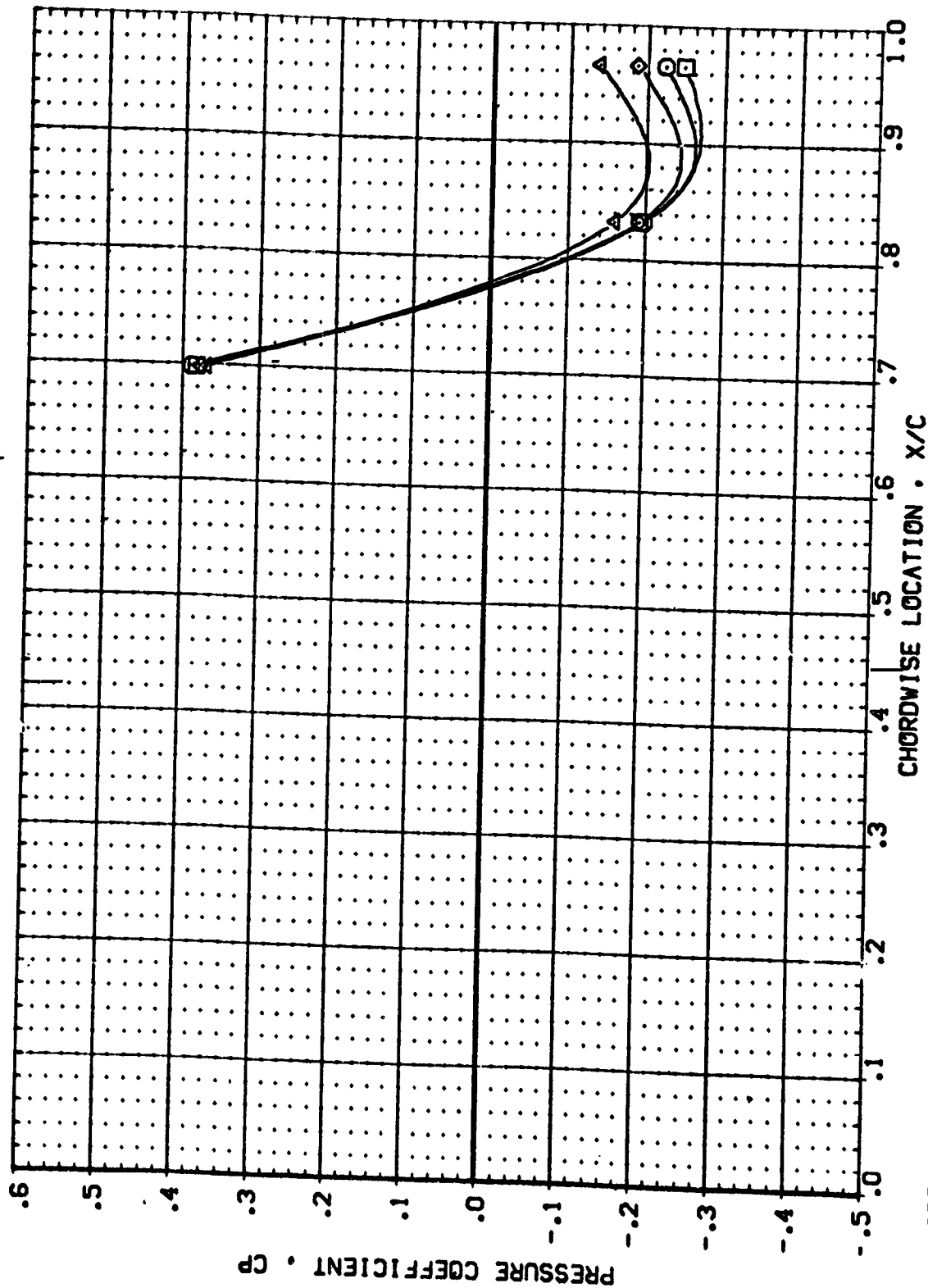


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = .020 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV822) ARC 97-710 A128 01 T1 S1(BOTTOM VING)11
 (RBV854) ARC 97-710 A128 01 T1 S2(BOTTOM VING)11
 (RBV853) ARC 97-710 A128 01 T1 S2(BOTTOM VING)11
 (RBV852) ARC 97-710 A128 01 T1 S2(BOTTOM VING)11

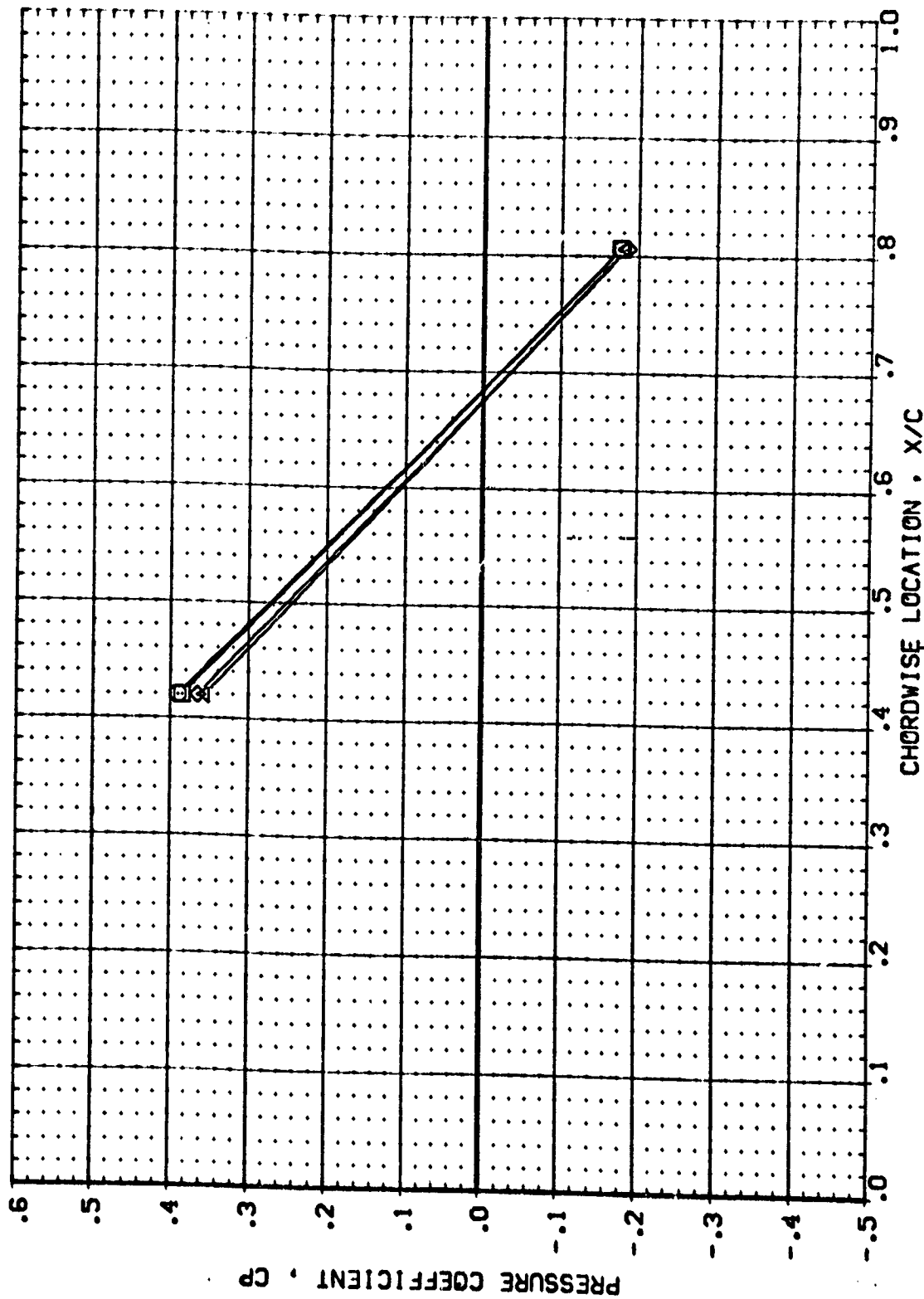
POWER 0PR SHPR RUDDER
 .000 .000 .000
 1.000 .433 .469
 1.000 .433 1.050



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	CPR	SNMPR	RUDDER
(RBV822)	ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11	.000			.000
(RBV854)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	.000			.000
(RBV853)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	1.000	.433	.489	.000
(RBV852)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	1.000	.433	1.050	.000

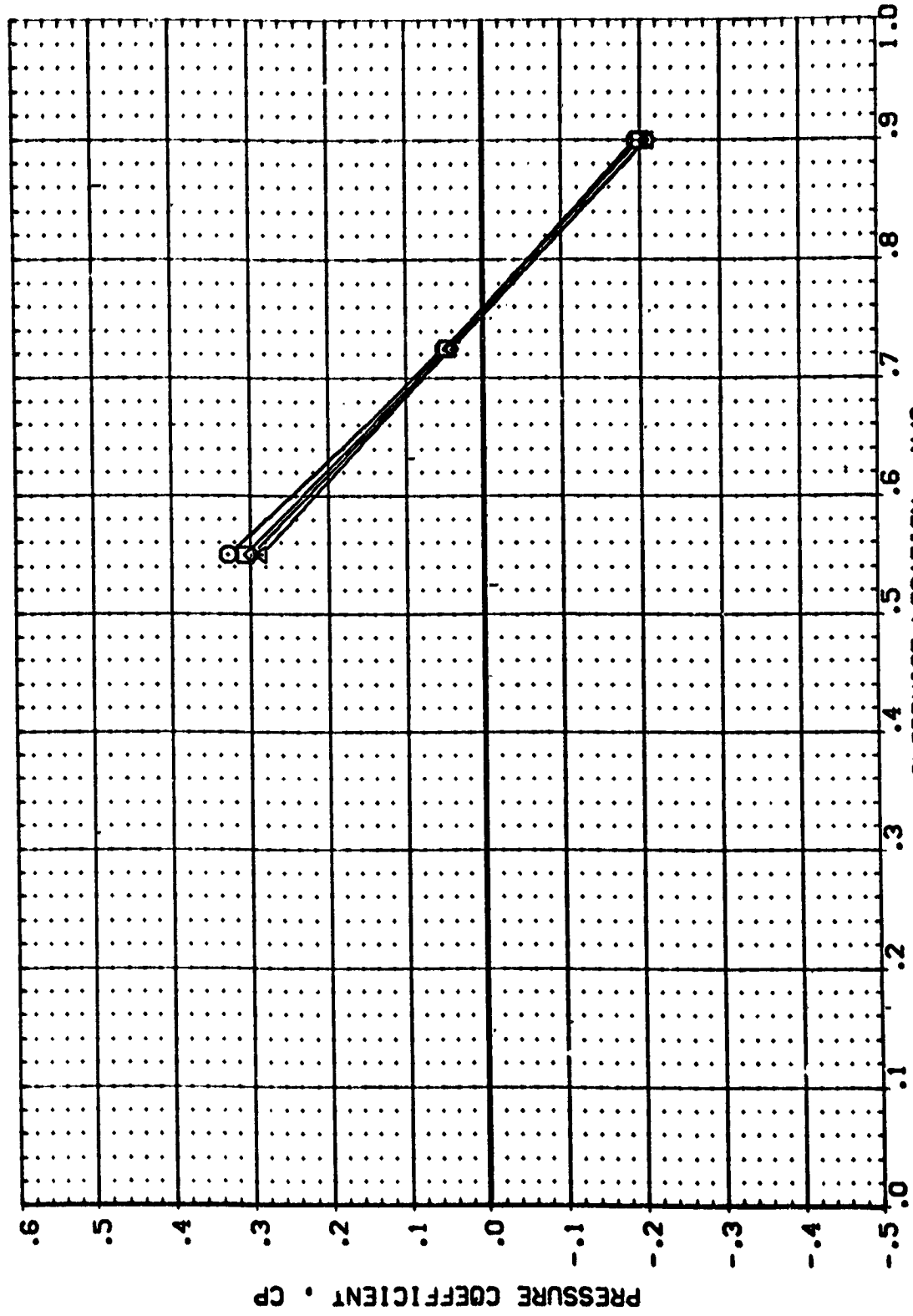


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RB/822) ARC 97-710 IAI28 OI T1 S1(BOTTOM WING)11
 (RB/554) ARC 97-710 IAI28 OI T1 S2(BOTTOM WING)11
 (RB/553) ARC 97-710 IAI28 OI T1 S2(BOTTOM WING)11
 (RB/552) ARC 97-710 IAI28 OI T1 S2(BOTTOM WING)11

POWER DPR SHPR FLUDER
 .000 .000
 .000 .000
 1.000 .433 .469
 1.000 1.050



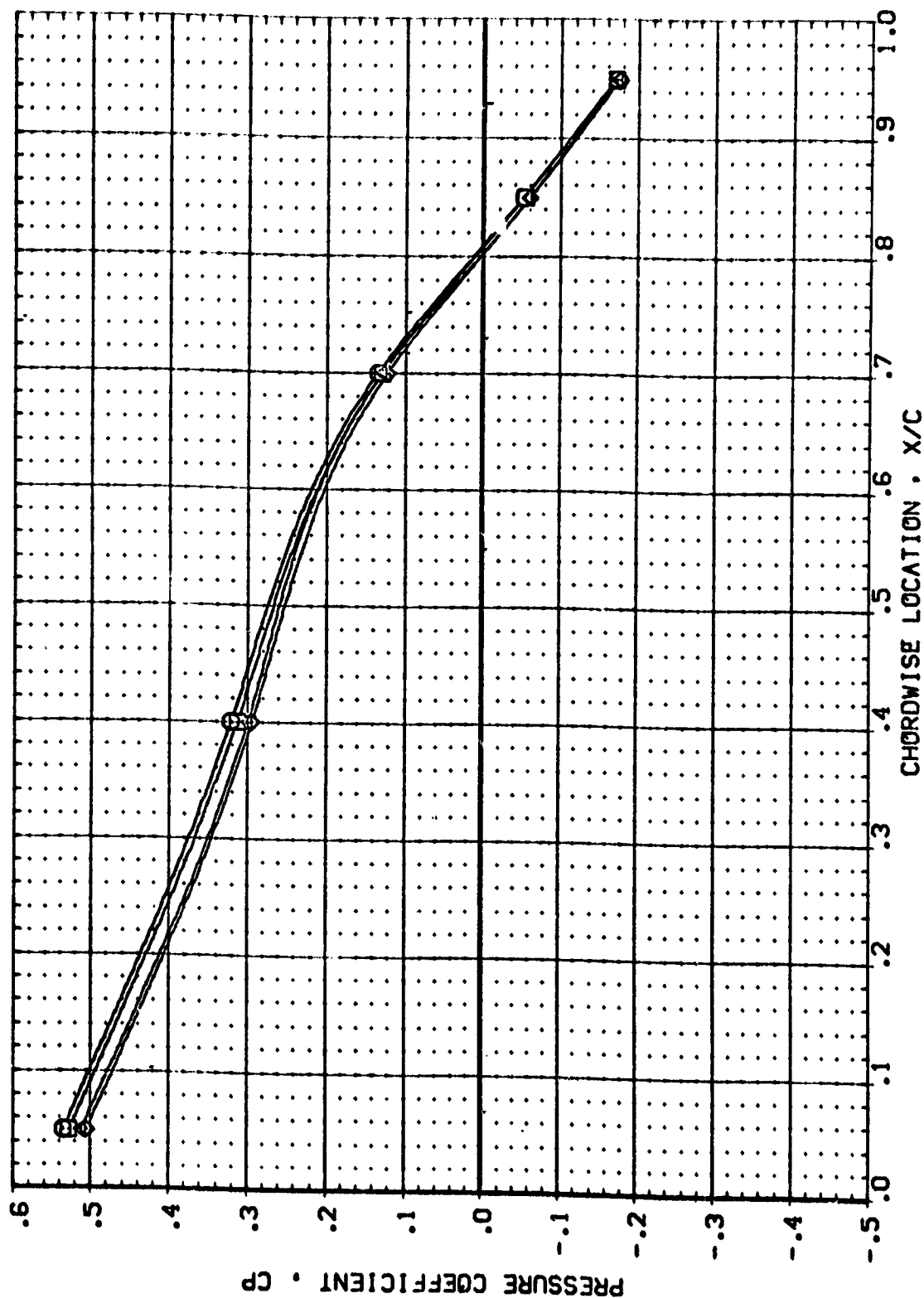
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV822) ARC 97-710 [A128 01 T1 S1(BOTTOM WING)]
 (RBV854) ARC 97-710 [A128 01 T1 S2(BOTTOM WING)]
 (RBV853) ARC 97-710 [A128 01 T1 S2(BOTTOM WING)]
 (RBV852) ARC 97-710 [A128 01 T1 S2(BOTTOM WING)]

POWER CDR SPRR RUDER
 .000 .000 .000
 .000 .000 .000
 1.000 .433 1.050

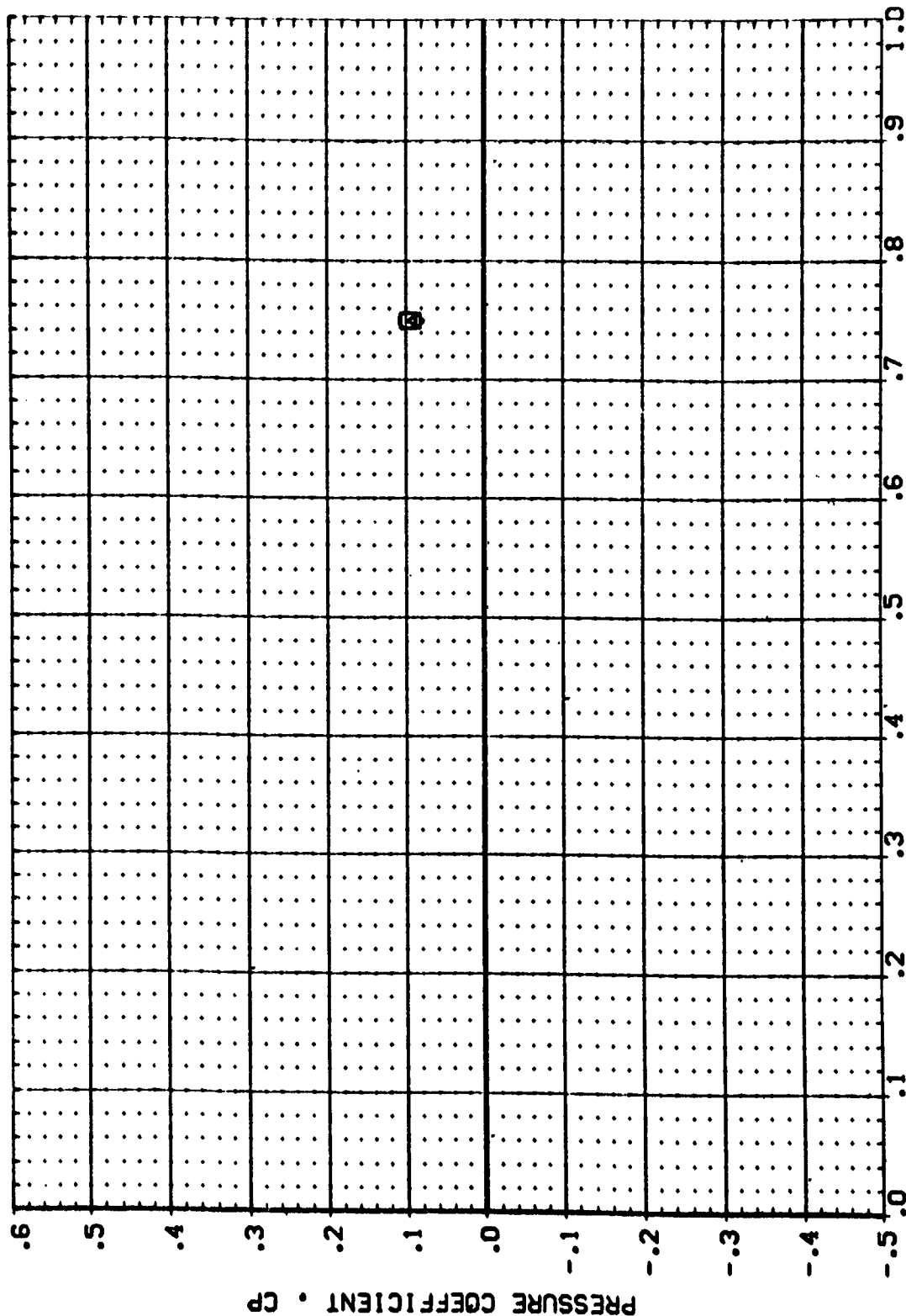


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .673

DATA SET SYMBOL. CONFIGURATION DESCRIPTION
 (RSV822) [] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)111
 (RSV854) [] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)111
 (RSV853) [X] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)111
 (RSV852) [X] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)111

POWER DPR SPRPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .433 1.050
 1.000 .433 1.050



CHORDWISE LOCATION • X/C
 SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

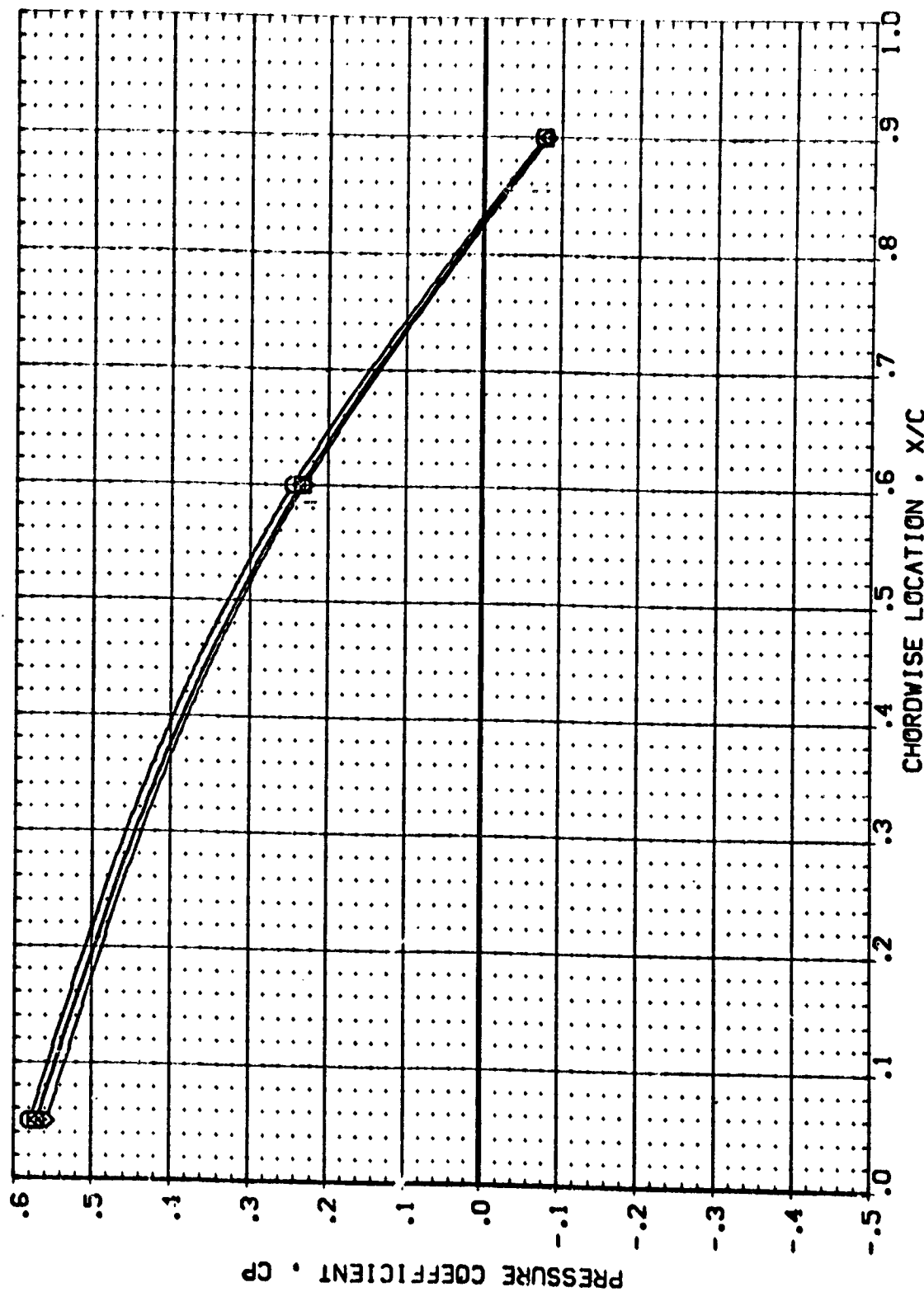
(RBV822) ARC 97-710 IAI28 OI TI S1(BOTTOM WING)II
 (RBV854) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)II
 (RBV853) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)II
 (RBV852) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)II

POWER .000
 .000
 1.000
 1.000

OPR .433
 .433

SNRPR .469
 1.050

RUDDER .000
 .000
 .000
 .000



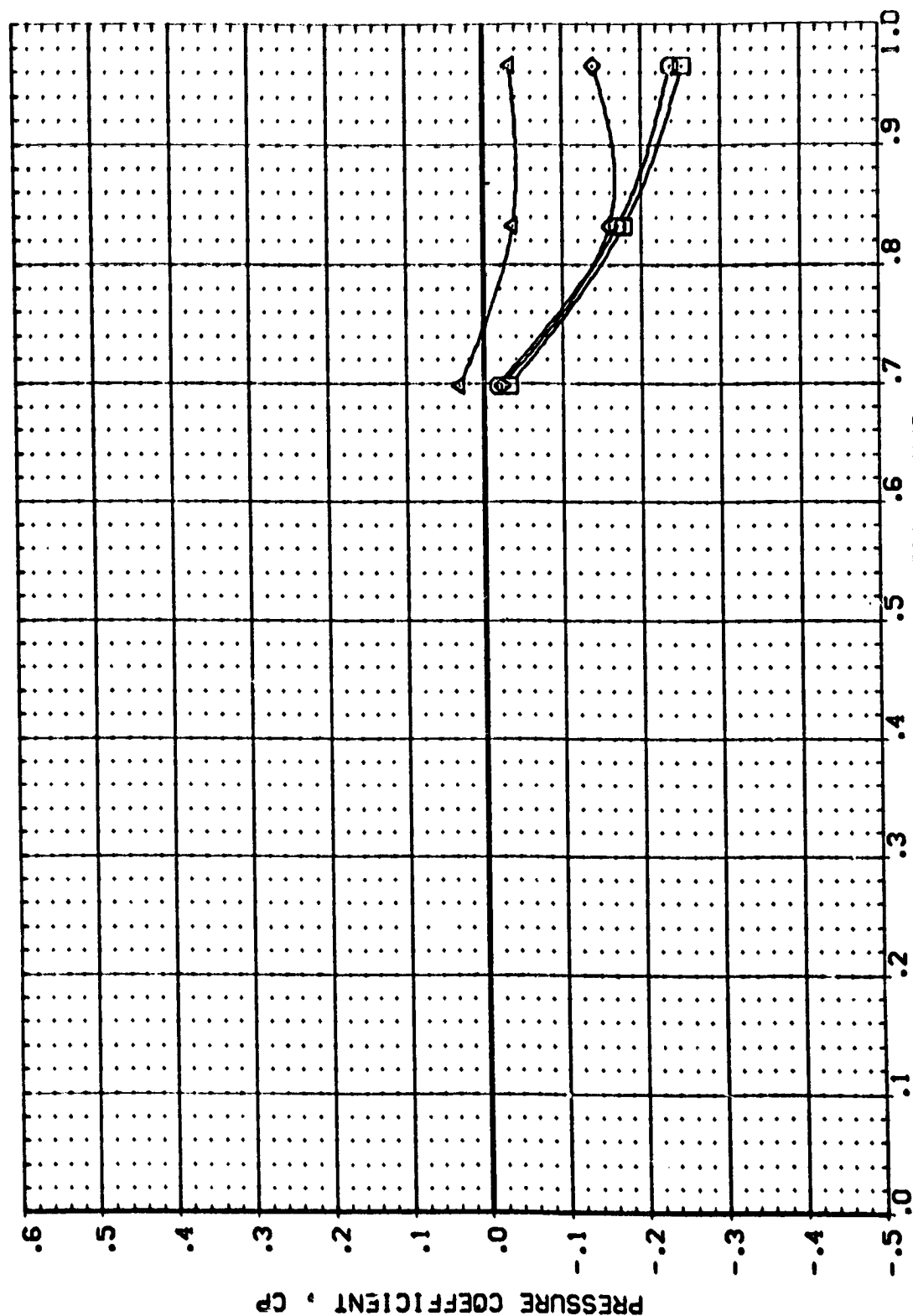
CHORDWISE LOCATION • X/C

SR6 SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 1.550 ALPHA = 8.050 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R8/821) ARC 97-710 IAI28 OI TI S1(BOTTOM VING)I
 (R8/855) ARC 97-710 IAI28 OI TI S2(BOTTOM VING)I
 (R8/856) ARC 97-710 IAI28 OI TI S2(BOTTOM VING)I
 (R8/857) ARC 97-710 IAI28 OI TI S2(BOTTOM VING)I

POWER DPA SWPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245

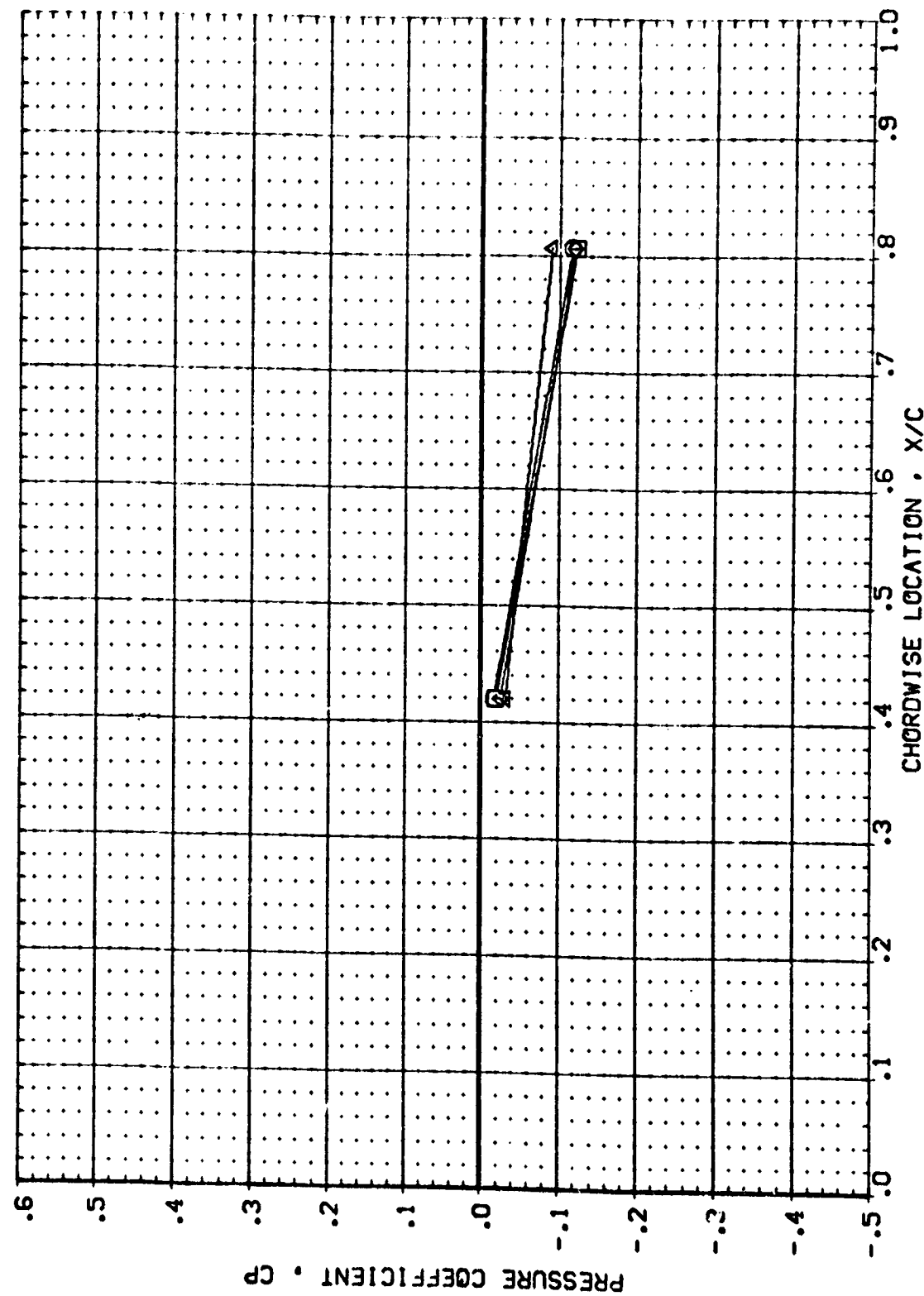


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RS/921) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RS/955) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RS/956) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RS/957)

POWER OPR SRMPR RLODER
 .000 .000 .000
 1.000 .409 .557
 1.000 1.409 1.245



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

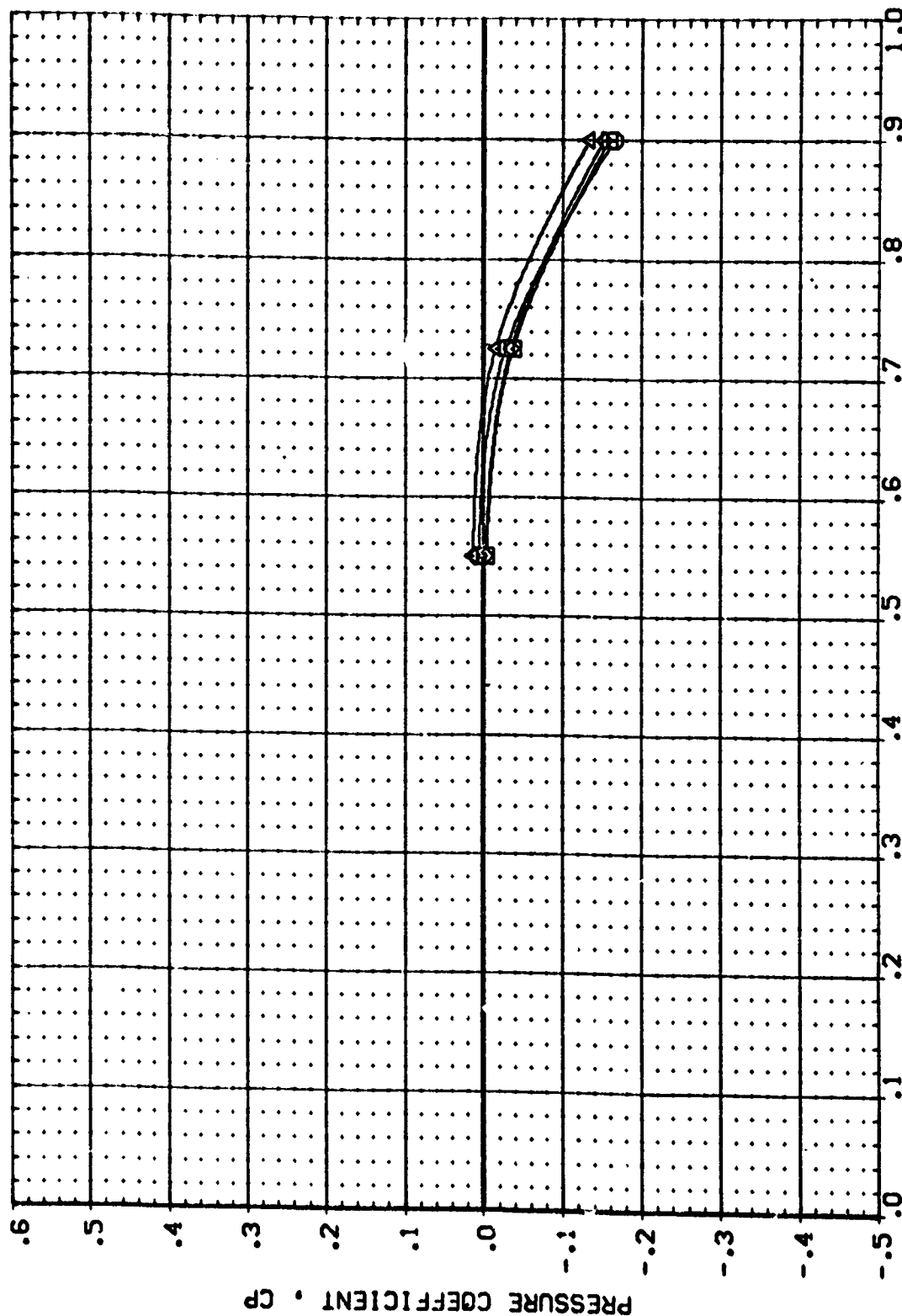
MACH = 2.000 ALPHA = -7.520 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION

RS/B211	ARC 97-710	A128 01 T1	S1(BOTTOM WING)11
RS/B551	ARC 97-710	A128 01 T1	S2(BOTTOM WING)11
RS/B561	ARC 97-710	A128 01 T1	S2(BOTTOM WING)11
RS/B571	ARC 97-710	A128 01 T1	S2(BOTTOM WING)11

POWER C/P SRWR RUDDER

.000	.000	.000
.000	.000	.000
1.000	.409	.557
1.000	.409	1.245



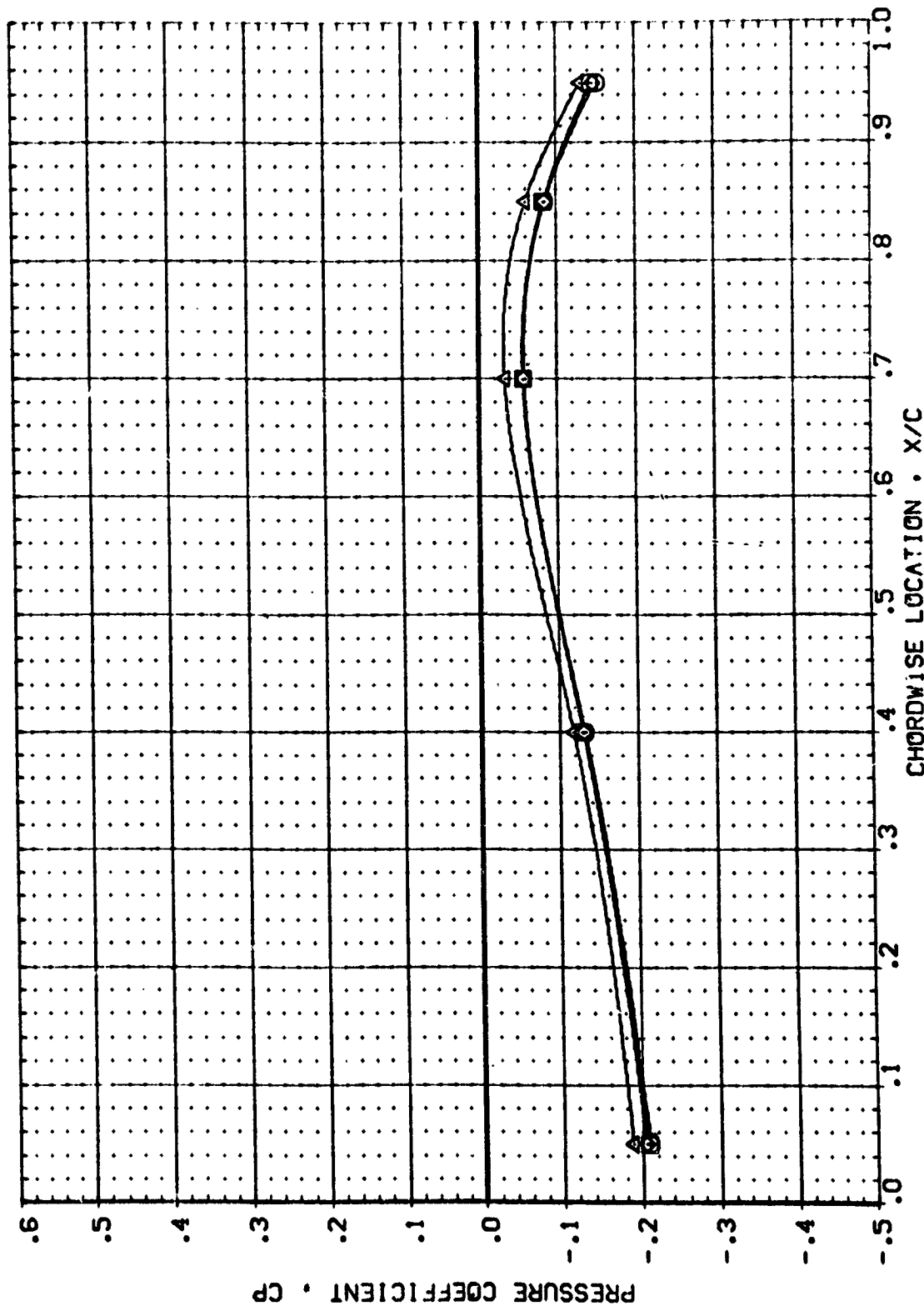
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBVB21) ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBVB55) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBVB56) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBVB57) ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11

POWER 0PR SRMR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245



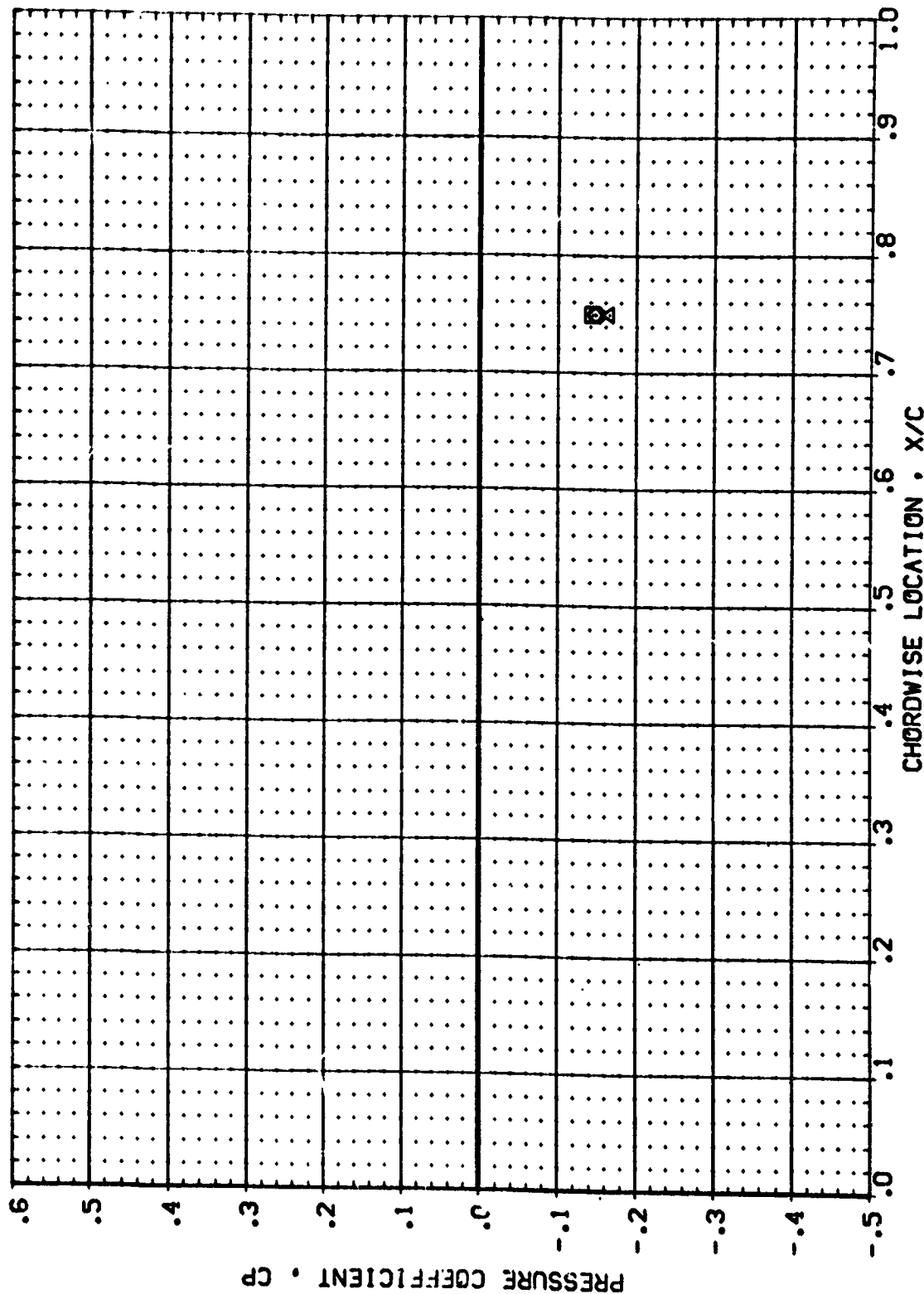
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R8V821) ARC 97-710 [A:28 01 T1 S1(BOTTOM VING)]
 (R8V825) ARC 97-710 [A:28 01 T1 S2(BOTTOM VING)]
 (R8V856) ARC 97-710 [A:28 01 T1 S2(BOTTOM VING)]
 (R8V857) ARC 97-710 [A:28 01 T1 S2(BOTTOM VING)]

POWER CPR SRPR RUDDER
 .000 .000
 .000 .000
 1.000 .409 .557
 1.000 .409 1.245



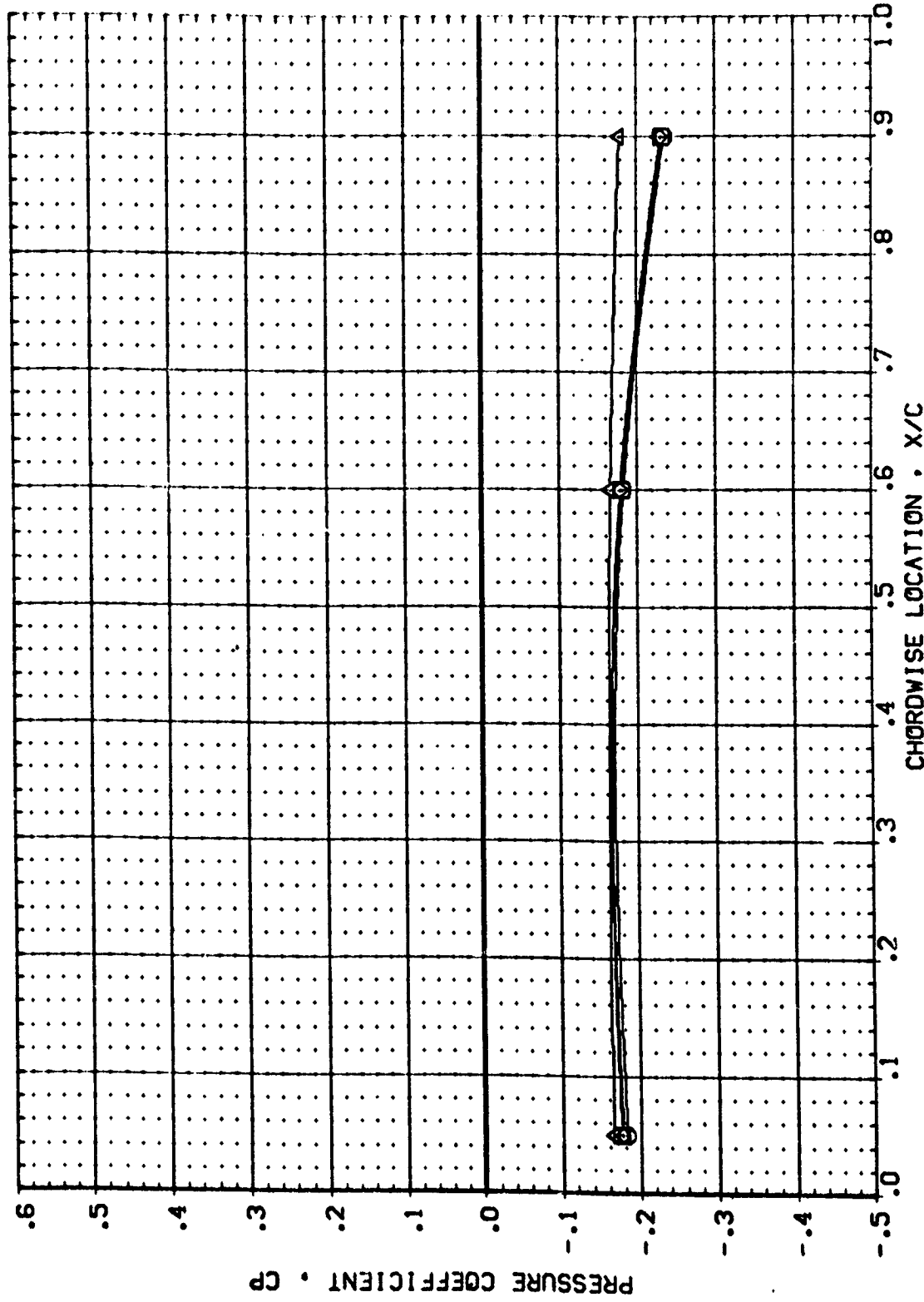
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RSV821) ARC 97-710 IAI28 OI TI S1(BOTTOM WING)111
 (RSV855) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)111
 (RSV856) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)111
 (RSV857) ARC 97-710 IAI28 OI TI S2(BOTTOM WING)111

POWER DPR SRMPR RUDDER
 .000 .000
 .000 .000
 1.000 .557
 1.000 1.245

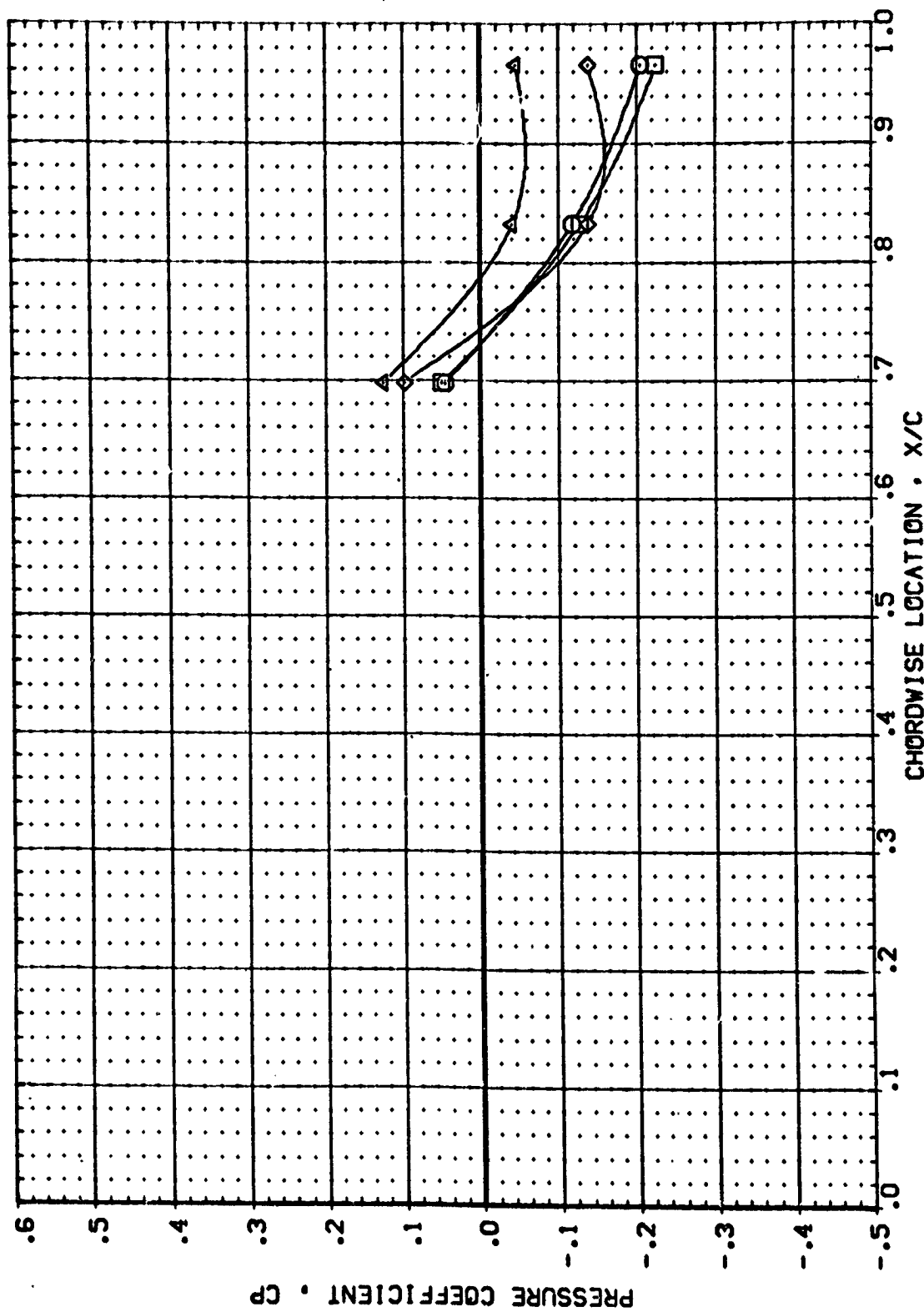


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = -7.520 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBV855) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 (RBV856) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 (RBV857) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]

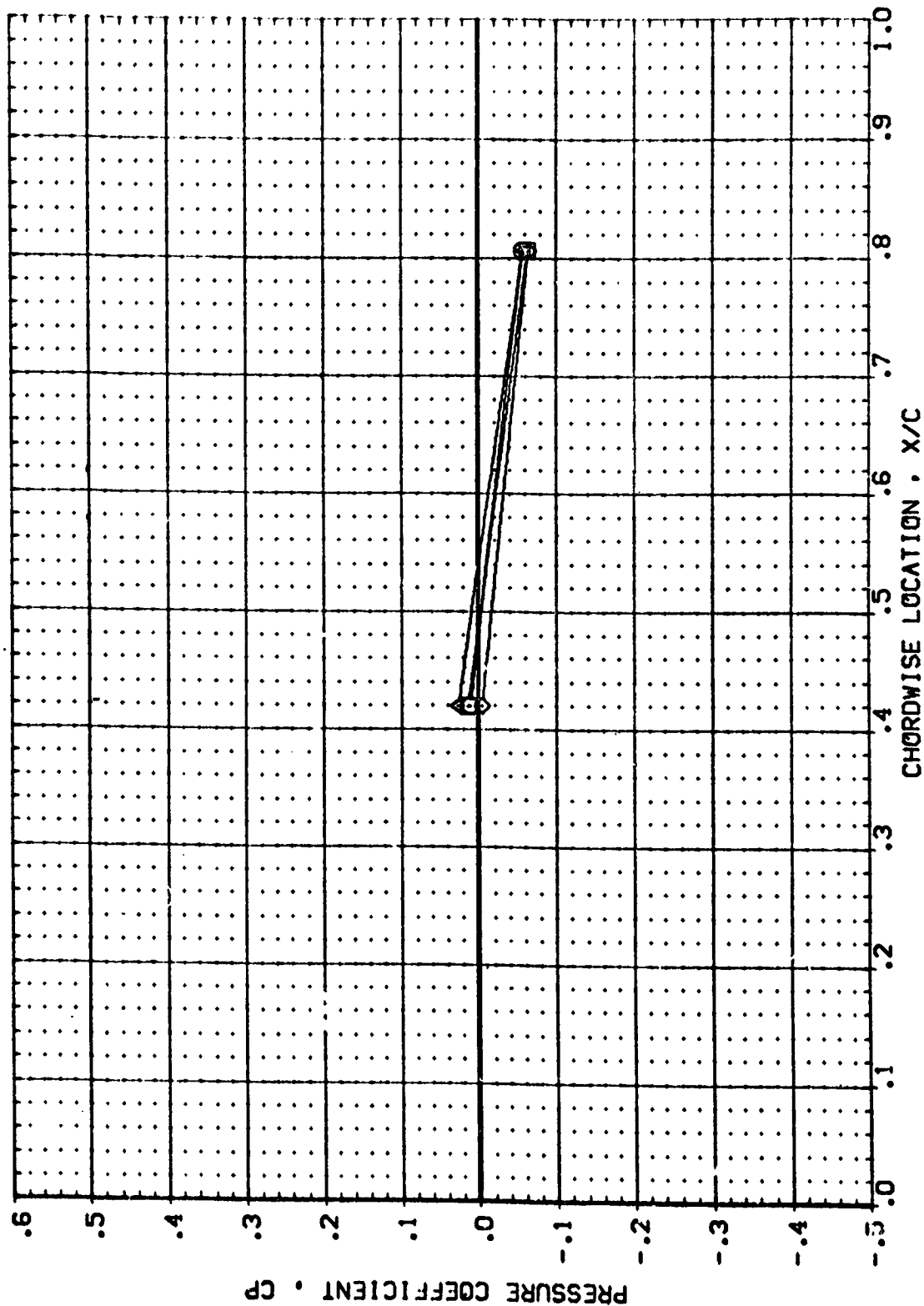
POWER DFR SRPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SNPR	RUDDER
(RBV821)	ARC 97-710 IAI28 01 T1 S1(BOTTOM VING)11	.000			.000
(RBV855)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	.000			.000
(RBV856)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	1.000	.409	.557	.000
(RBV857)	ARC 97-710 IAI28 01 T1 S2(BOTTOM VING)11	1.000	.409	1.245	.000

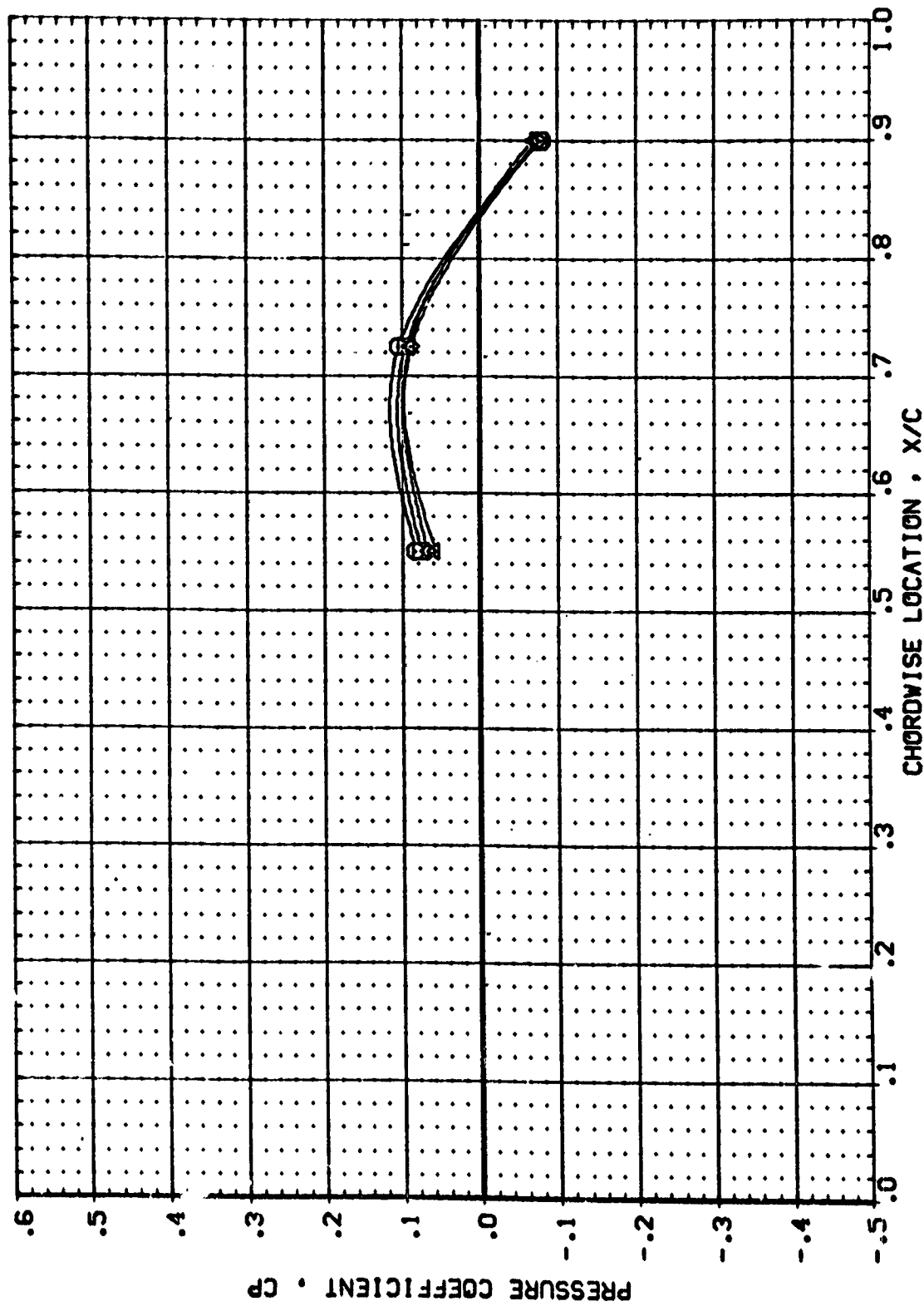


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .427

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) [] ARC 97-710 1A128 01 T1 S1(BOTTOM VING)11
 (RBV855) [] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV856) [X] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11
 (RBV857) [X] ARC 97-710 1A128 01 T1 S2(BOTTOM VING)11

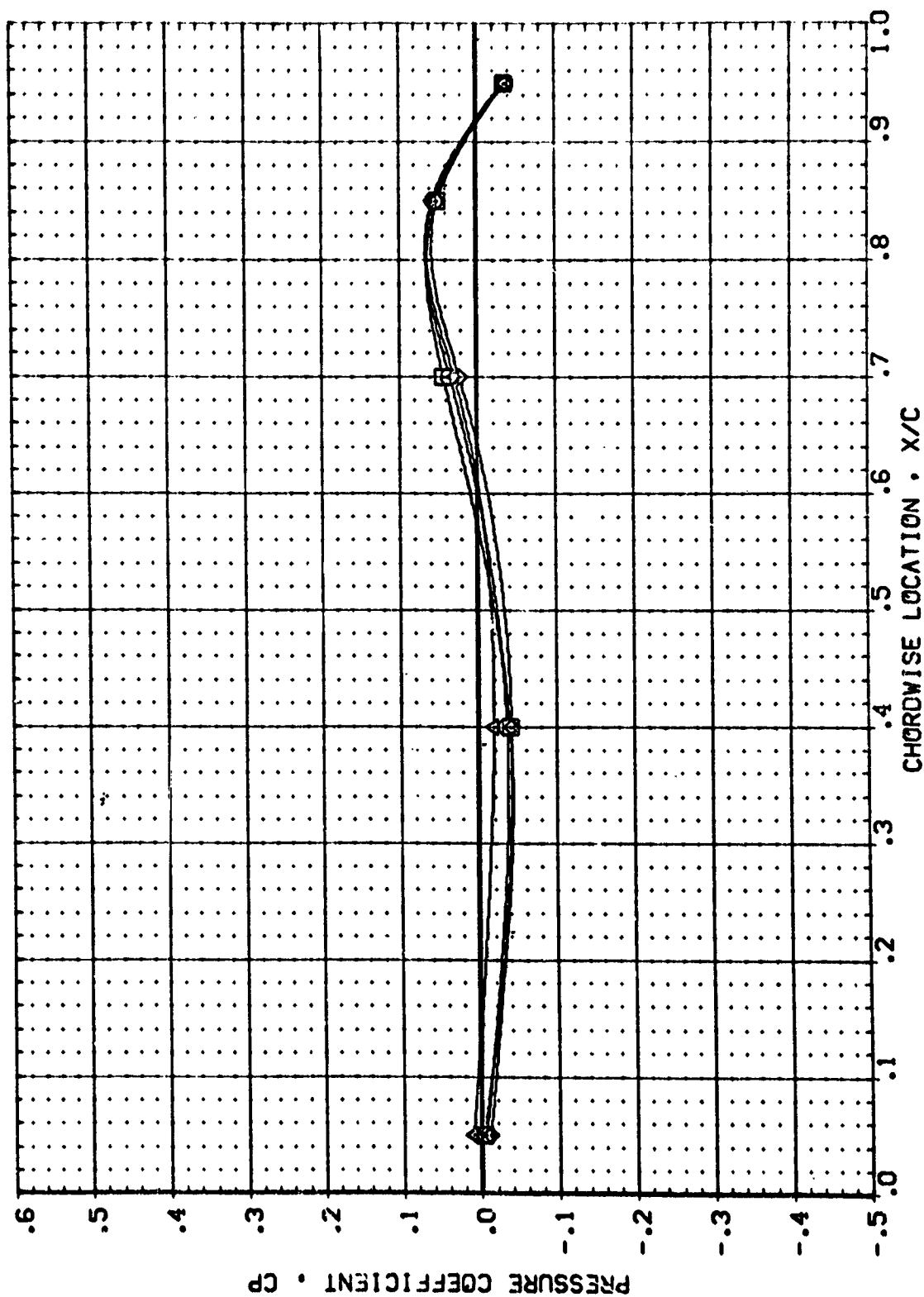
POWER C/P S/M/R R/LODER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .534

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRMR	RUDDER
(RBV821)	ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]	.000			.000
(RBV855)	ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]	.000			.000
(RBV856)	ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]	1.000	.409	.557	.000
(RBV857)	ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]	1.000	.409	1.245	.000



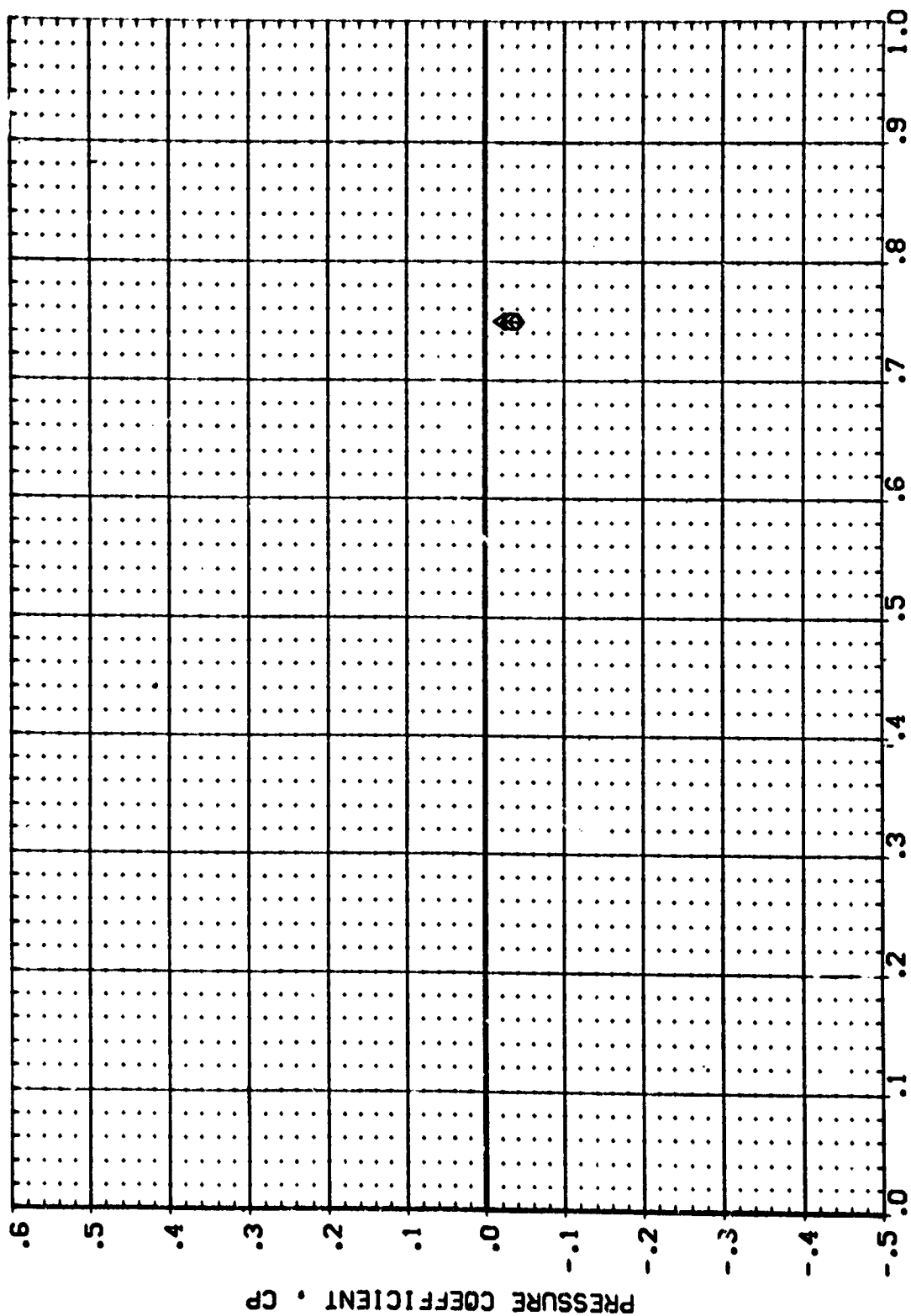
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .673

DATA SET SYMBOL CONFIGURATION DESCRIPTION

[RBVBS7] ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 [RBVBS6] ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 [RBVBS5] ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 [RBVBS4] ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]

POWER OF-R SWPR RLODER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245



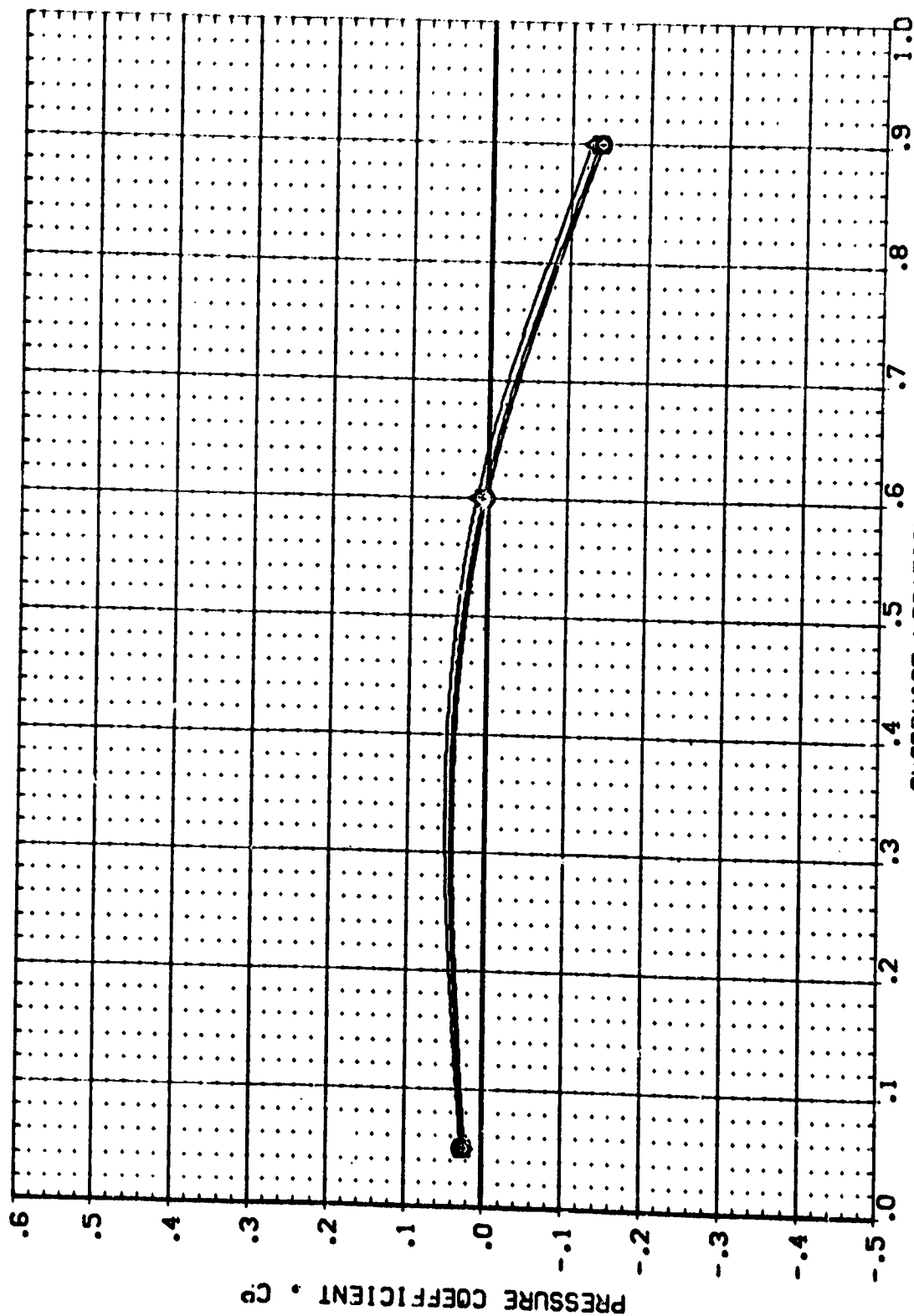
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .780

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821) ARC 97-710 [A128 01 T1 S1(BOTTOM VING)]
 (RBV825) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 (RBV826) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]
 (RBV857) ARC 97-710 [A128 01 T1 S2(BOTTOM VING)]

POWER OPR SRMPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 1.245



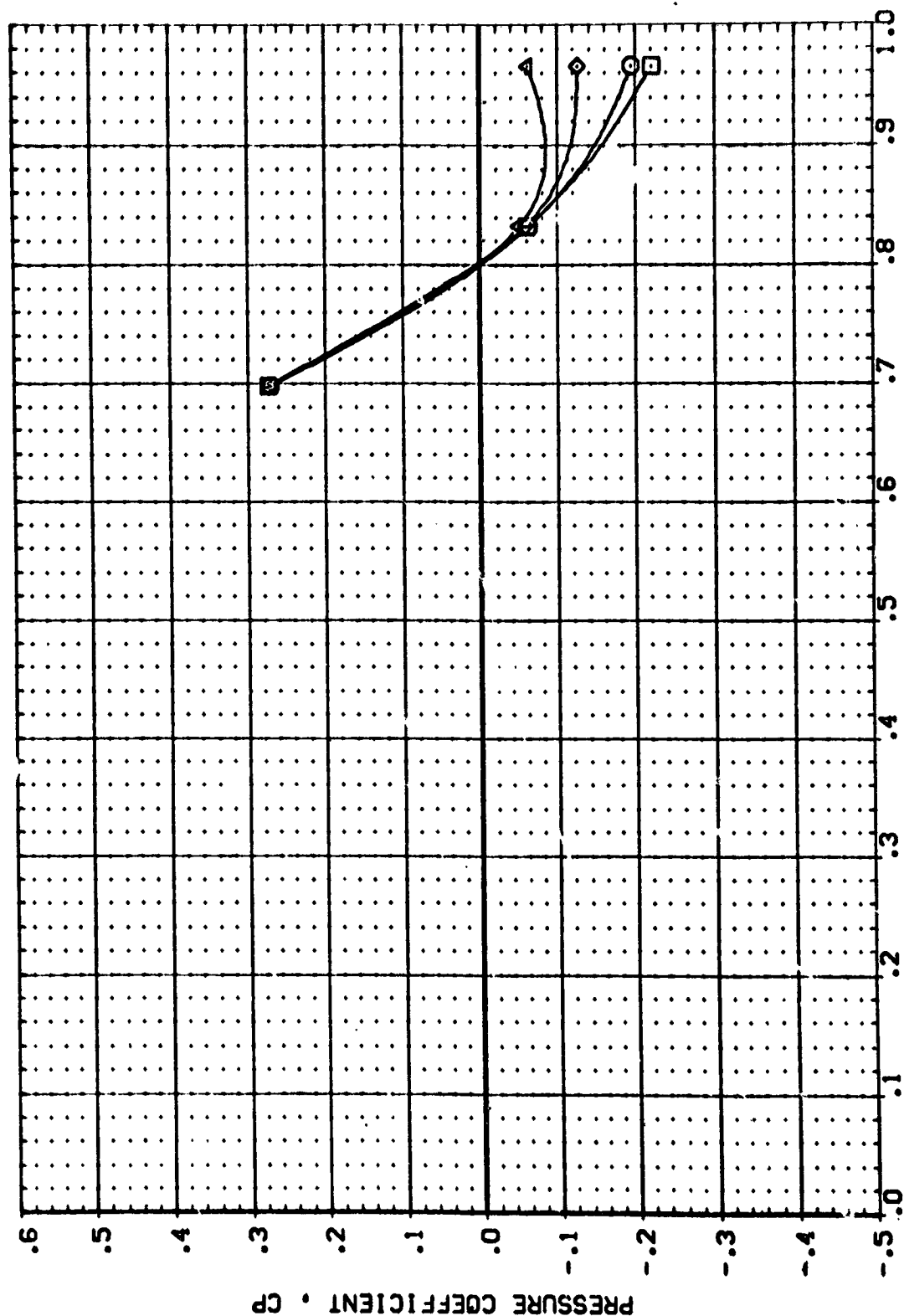
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = .440 ETA = .887

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RBV821)	ARC 97-710 (A128 01 T1 S1(BOTTOM VING))
(RBV855)	ARC 97-710 (A128 01 T1 S2(BOTTOM VING))
(RBV856)	ARC 97-710 (A128 01 T1 S2(BOTTOM VING))
(RBV857)	ARC 97-710 (A128 01 T1 S2(BOTTOM VING))

POWER	DPR	SWPR	RUDPR
.000			.000
.000			.000
1.000	.409	.557	.000
1.000	.409	1.245	.000

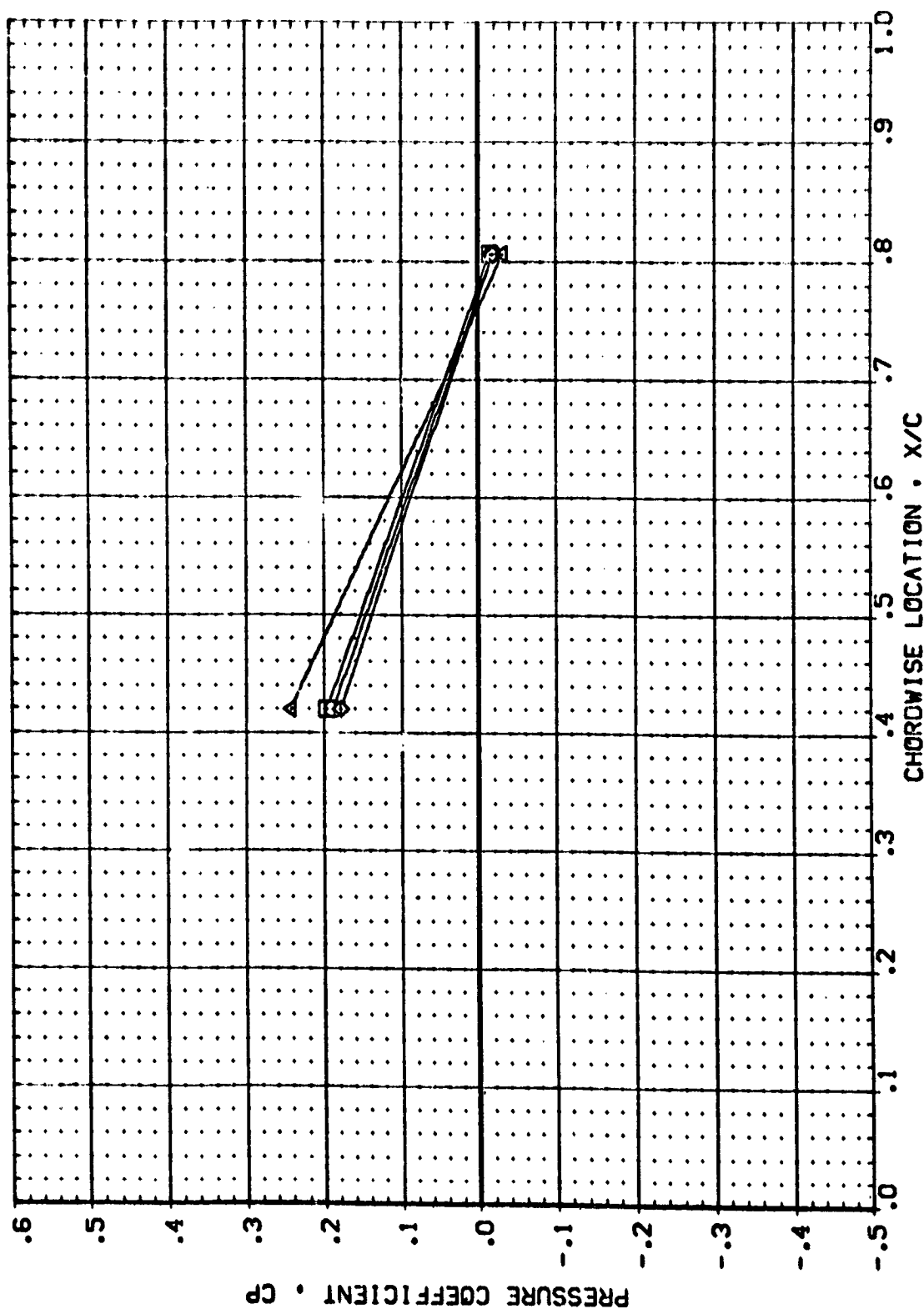


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .299

ARC 97-710	1A12B	01	T1	S11	BOTTOM	VING11
ARC 97-710	1A12B	01	T1	S21	BOTTOM	VING11
ARC 97-710	1A12B	01	T1	S21	BOTTOM	VING11
ARC 97-710	1A12B	01	T1	S21	BOTTOM	VING11

POWER	OPR	SR-PR	RUBBER
.000			.000
.000			.000
1.000	.409	.557	.000
1.000	.409	1.245	.000



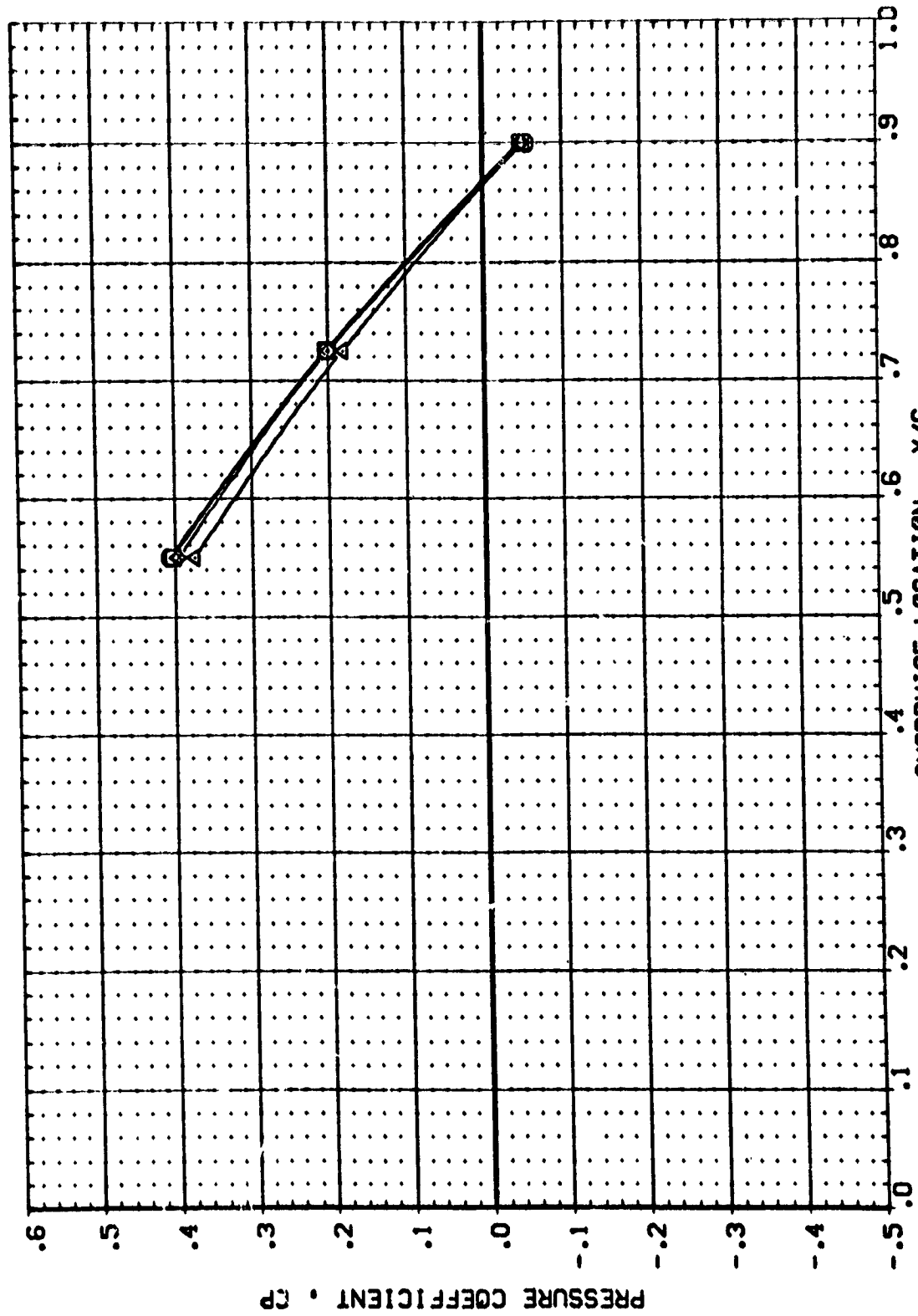
SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

$$\text{MACH} = 2.000 \quad \text{ALPHA} = 8.450 \quad \text{ETA} = .427$$

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RBV821) ARC 97-710 (A128 O1 T1 S1(BOTTOM VING))
 (RBV855) ARC 97-710 (A128 O1 T1 S2(BOTTOM VING))
 (RBV856) ARC 97-710 (A128 O1 T1 S2(BOTTOM VING))
 (RBV857) ARC 97-710 (A128 O1 T1 S2(BOTTOM VING))

POWER DFR SFRPR RUDDER
 .000 .000 .000
 .000 .000 .000
 1.000 .409 .557
 1.000 .409 1.245

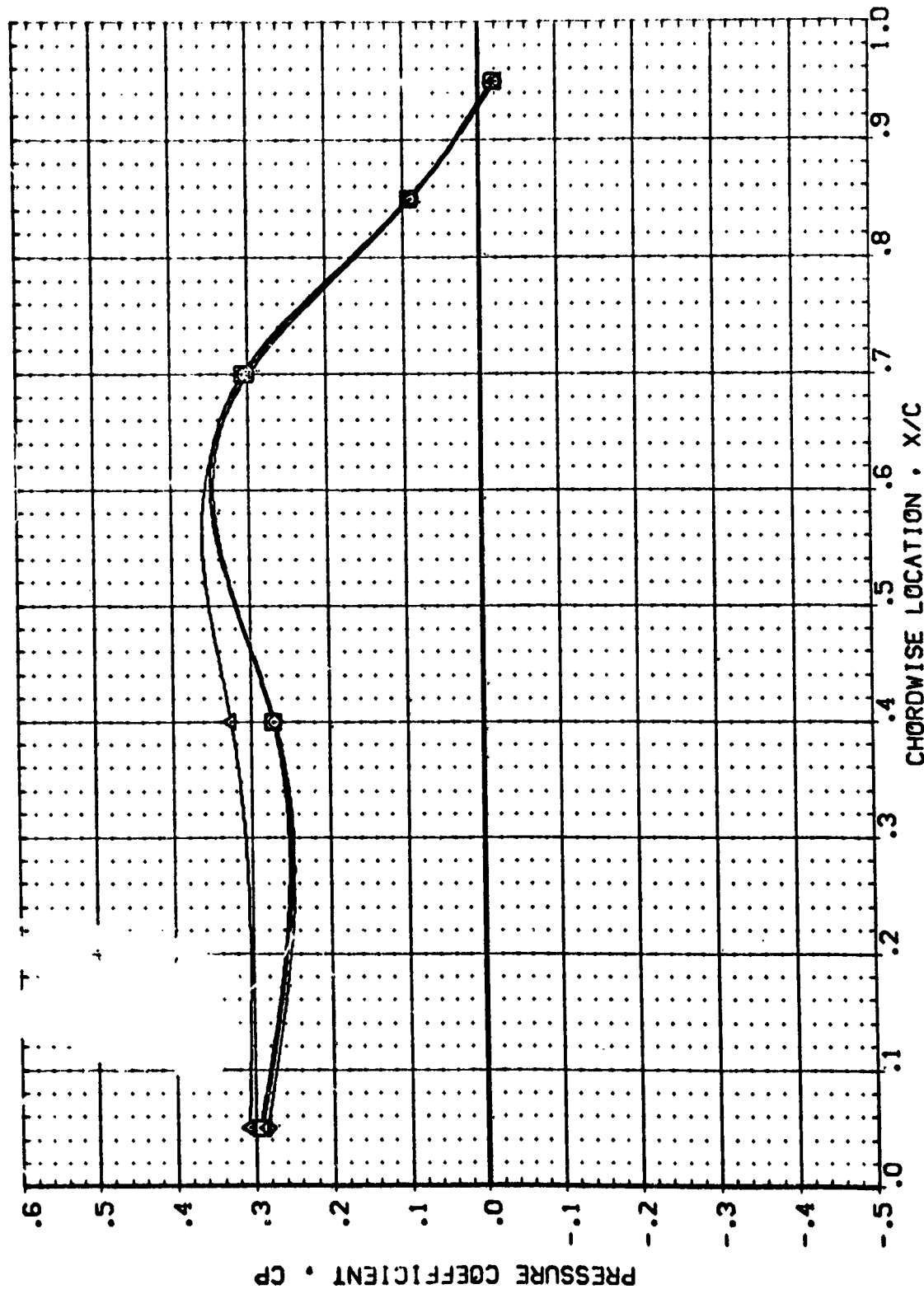


SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .534

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RSV821) ARC 97-710 A128 01 T1 S1 (BOTTOM WING)
 (RSV855) ARC 97-710 A128 01 T1 S2 (BOTTOM WING)
 (RSV856) ARC 97-710 A128 01 T1 S2 (BOTTOM WING)
 (RSV857) ARC 97-710 A128 01 T1 S2 (BOTTOM WING)

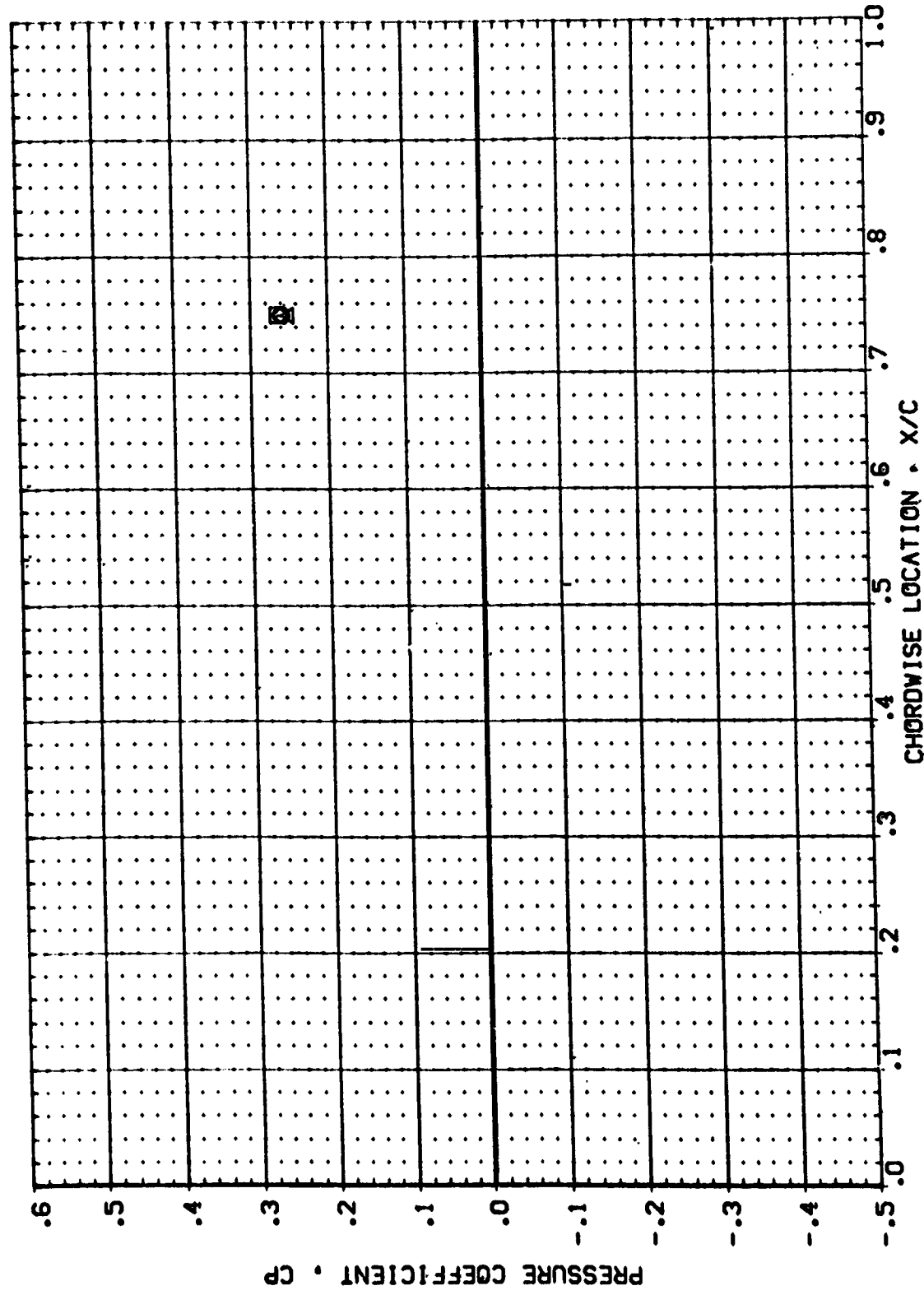
POWER DFR SDR RUDER
 .000 .000 .000
 .000 .000 .000
 1.000 .537 .000
 1.000 .409 .000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS - WING BOTTOM

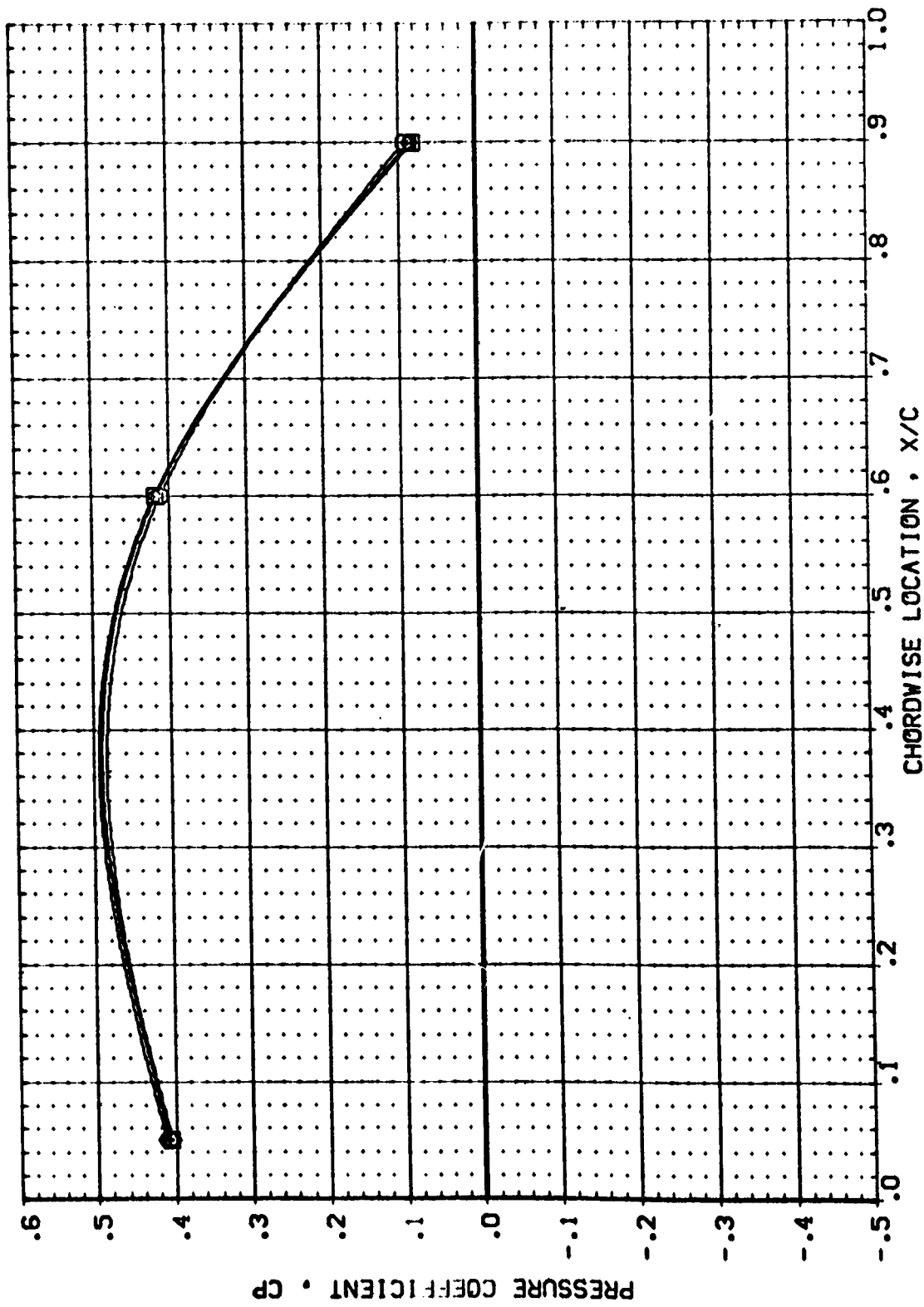
MACH = 2.000 ALPHA = 8.450 ETA = .673

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SR-PR	RUDDER
(REV821)	ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11	.000			.000
(REV855)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11	.000			.000
(REV856)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11	1.000	.409	.557	.000
(REV857)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11	1.000	.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	POWER	OPR	SRPR	RUDDER
(RBV821)	ARC 97-710 1A128 01 T1 S1(BOTTOM WING)11	.000			.000
(RBV855)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11	.000			.000
(RBV852)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11	1.000	.409	.557	.000
(RBV857)	ARC 97-710 1A128 01 T1 S2(BOTTOM WING)11		.409	1.245	.000



SRB SHROUD EFFECTS ON WING PRESSURE DISTRIBUTIONS -WING BOTTOM

MACH = 2.000 ALPHA = 8.450 ETA = .887

APPENDIX A

TABULATED SOURCE DATA - FORCE

Plotted data listings are available on request
from Data Management Services.

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 1

ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBVJ01) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 1/0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-7.550	-48500	.32530	.16160	-.00110	.00180	.00020	.07110	.01570	.00370	.24521
2.000	-5.520	-33290	.31930	.11490	.00070	.00070	.00080	.06130	.00820	.00370	.23826
2.000	-4.570	-29090	.31790	.09310	-.00020	.00060	.00070	.05630	.00450	.00380	.23660
2.000	-3.570	-22720	.31580	.07050	-.00090	.00050	.00050	.05200	.00200	.00460	.23526
2.000	-1.990	-11830	.31340	.03300	.00050	.00060	.00070	.04070	-.00100	.00570	.23627
2.000	.440	-.01350	.31210	-.00030	-.00010	.00090	.00070	.02850	-.01470	.00560	.23743
2.000	2.470	.08680	.31200	-.03460	-.00040	.00080	.00040	.02030	-.02130	.00620	.24001
2.000	4.460	.19380	.30960	-.07220	-.00160	.00060	.00040	.01010	-.02920	.00660	.24405
2.000	6.450	.31010	.30850	-.11670	.00030	-.00060	.00010	.00630	-.03530	.00690	.24729
2.000	8.460	.43220	.31030	-.16290	-.00070	.00070	.00050	.00380	-.03700	.00720	.24976
GRADIENT		.05302	-.00081	-.01794	-.00010	.00002	-.00003	-.00518	-.00381	.00028	.00083

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 POWER = .433 SRMR = .469
 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 2/0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-7.590	-49410	.30020	.16140	-.00070	.00160	.00090	.06430	.02090	.00640	.24725
2.000	-5.620	-36650	.29440	.11890	-.00200	.00100	.00130	.05480	.01400	.00640	.24448
2.000	-3.610	-24190	.29060	.07490	-.00400	.00320	.00090	.04580	.00750	.00680	.24262
2.000	-1.590	-12980	.28910	.03740	-.00130	.00270	.00090	.03570	.00010	.00730	.24438
2.000	.410	-.02320	.28190	.00290	-.00290	.00370	.00040	.02400	-.00720	.00780	.24597
2.000	2.420	.08470	.28120	-.03430	-.00220	.00290	.00090	.01610	-.01660	.00770	.24637
2.000	4.460	.19290	.28160	-.07150	-.00090	.00140	.00020	.00740	-.02380	.00840	.24876
2.000	6.400	.30480	.28390	-.11300	-.00220	.00220	-.00010	.00340	-.03250	.00830	.25185
2.000	8.380	.42630	.28580	-.15920	-.00490	.00350	-.00030	.00120	-.03420	.00840	.25517
GRADIENT		.05380	-.00128	-.01806	.00026	-.00017	-.00006	-.00478	-.00394	.00018	.00071

(RBVJ02) (26 MAR 74)

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 SI POWER OFF

(RBV003) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

RUN NO. 3/0 RV/L = 3.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-8.280	.02080	.32010	-.02050	.34980	-.13460	.05220	.02510	-.02990	-.06320	.24812
2.000	-6.250	.01140	.31990	-.01320	.25110	-.09730	.03990	.02340	-.02140	-.04210	.24958
2.000	-4.230	.00510	.31790	-.00530	.16180	-.06190	.02610	.02630	-.01770	-.02390	.24658
2.000	-2.200	-.00360	.31730	.00130	.07710	-.02810	.01320	.02620	-.01250	-.00830	.24613
2.000	-1.80	.00000	.31910	-.00050	-.00290	.00340	.00120	.02920	-.00880	.00710	.24684
2.000	1.840	.00020	.30980	-.00300	-.08640	.03730	.01180	.03070	-.00330	.02400	.24374
2.000	3.860	.00200	.30930	-.00580	-.17090	.07140	-.02460	.02980	.00290	.04010	.24358
2.000	5.890	.00710	.30990	-.01370	-.26140	.10580	-.03830	.02940	.00700	.05770	.24218
2.000	7.920	.01090	.31060	-.02110	-.35750	.14150	-.05250	.02820	.01190	.07990	.24104
GRADIENT		-.00012	-.00122	-.00026	-.04099	.01642	-.00625	.00057	.00249	.00793	-.00036

ARC 97-710 1A128 OL T1 SI

(RBV004) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .433 SEWER = .469
 GIMBAL = 1.000

RUN NO. 4/0 RV/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-8.280	.02280	.28920	-.02980	.34330	-.13080	.05040	.02340	-.02280	-.04260	.24774
2.000	-6.260	.01400	.28930	-.02160	.24960	-.09560	.03850	.02050	-.02070	-.03470	.24598
2.000	-4.230	.01060	.28840	-.01570	.16100	-.06140	.02540	.02320	-.01710	-.02090	.24964
2.000	-2.210	.00470	.28520	-.00730	.07770	-.02850	.01280	.02260	-.01240	-.00700	.24936
2.000	-1.80	.00180	.28910	-.00610	-.00080	.00230	.00130	.02540	-.00850	.00710	.25185
2.000	1.840	-.00270	.31320	-.00010	-.08390	.03510	-.01120	.03110	-.00290	.02360	.24512
2.000	3.870	.00420	.28260	-.00850	-.16580	.06690	-.02370	.01800	.00290	.03610	.24559
2.000	5.890	.01160	.28490	-.01500	-.25730	.10190	-.03740	.01470	.00730	.05230	.24526
2.000	7.920	.01760	.28880	-.02300	-.35120	.13670	-.05100	.01190	.01160	.08400	.24954
GRADIENT		-.00100	.00081	.00107	-.04026	.01581	-.00603	-.00009	.00244	.00714	-.00011

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1

(RBV005) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ALPHA = .000 RUDDER = .000
 SRMPR = .469 POWER = 1.000
 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 5/ 0 RV/L = 3.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-8.290	.01480	.30340	-.01870	.34980	-.13370	.03220	.02500	-.02310	-.05670	.29036
2.000	-6.250	.01640	.30470	-.01670	.25440	-.09880	.03960	.02280	-.02160	-.04060	.25317
2.000	-4.230	.01350	.30470	-.01230	.16240	-.06310	.02570	.02320	-.01780	-.02360	.25035
2.000	-2.200	.00410	.20	-.00660	.07890	-.02990	.01270	.02490	-.01260	-.00790	.24913
2.000	-.180	-.00200	.2.970	-.00390	-.00230	.00280	.00120	.02820	-.00860	.00730	.24647
2.000	1.840	-.00180	.29620	-.00430	-.08540	.03610	-.01110	.02810	-.00350	.02370	.24732
2.000	3.860	.00000	.29560	-.00840	.07040	.00240	-.02400	.02480	-.00270	.03950	.24720
2.000	5.890	.00360	.29710	-.01500	-.25900	.07340	-.03780	.02230	.00680	.05680	.24488
2.000	7.920	.00550	.29840	-.02000	-.35300	.13810	-.05080	.02100	.01110	.07450	.24403
	GRADIENT	-.00163	-.00091	.00050	-.04111	.01646	-.00609	.00012	.00248	.00780	-.00040

ARC 97-710 1A128 Q1 T1 S1

(RBV006) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 SRMPR = .469 POWER = 1.000
 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 6/ 0 RV/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-7.520	-.48130	.30850	.15740	-.00690	.00460	.00080	.06610	.02120	.00300	.24814
2.000	-5.570	-.35230	.30530	.11270	-.00670	.00390	.00100	.05750	.01370	.00240	.24652
2.000	-3.540	-.23370	.30290	.07190	-.00570	.00340	.00100	.04890	.00680	.00260	.24357
2.000	-1.530	-.12130	.30190	.03510	-.00500	.00340	.00080	.03850	-.00190	.00310	.24323
2.000	.460	-.01760	.30090	.00310	-.00360	.00320	.00060	.02780	-.01070	.00300	.24529
2.000	2.460	.08580	.29850	-.03240	-.00430	.00340	.00040	.01910	-.01940	.00340	.24927
2.000	4.480	.19560	.29550	-.07160	-.00510	.00320	.00030	.00860	-.02660	.00400	.25146
2.000	6.450	.31150	.29350	-.11510	-.00580	.00260	.00020	.00480	-.03450	.00220	.25216
2.000	8.480	.43580	.29330	-.16250	-.00620	.00390	-.00030	.00240	-.03550	.00070	.25256
	GRADIENT	.00321	-.00091	-.01770	.00009	-.00002	-.00009	-.00499	-.00421	.00015	.00109

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1

(RBV007) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

RUN NO. 7/0 RVL = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 POWER = 1.000
 GIMBAL = 1.000

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-7.590	-0.0220	.30890	.16530	-.00740	.00510	.00090	.06820	.02110	-.00130	.23973
2.000	-5.610	-0.36290	.30680	.11620	-.00560	.00410	.00070	.05770	.01350	-.00260	.24035
2.000	-3.630	-.23900	.30480	.07380	-.00470	.00370	.00080	.04880	.00650	-.00760	.23987
2.000	-1.590	-.12520	.30100	.03600	-.00450	.00380	.00070	.03810	-.00200	-.00090	.23750
2.000	.390	-.02270	.29540	.00380	-.00330	.00400	.00040	.02790	-.01080	-.00090	.23606
2.000	2.400	.08440	.29740	-.03240	-.00350	.00320	.00030	.01920	-.01960	-.00320	.23962
2.000	4.370	.19090	.29240	-.07020	-.00600	.00410	.00000	.00880	-.02690	-.00390	.23500
2.000	6.390	.30690	.29200	-.11450	-.00540	.00390	-.00020	.00470	-.03440	-.00490	.24156
2.000	8.400	.43110	.29470	-.16200	-.00740	.00500	-.00070	.00220	-.03630	-.00650	.24634
GRADIENT	.05350	-.00142	-.01763	-.00008	-.00008	.00002	-.00010	-.00495	-.00422	-.00070	.00002

ARC 97-710 1A12B OL T1 S1

(RBV008) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OPR = .433 POWER = 1.000
 GIMBAL = 1.000

RUN NO. 8/0 RVL = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-8.290	-0.00120	.30540	-.01850	.33990	-.12740	.05110	.02390	-.02250	-.05750	.24407
2.000	-6.260	-0.00720	.30400	-.01060	.24830	-.09480	.03870	.02230	-.01990	-.02910	.24509
2.000	-4.230	-0.01200	.30020	-.00380	.16030	-.06090	.02560	.02520	-.01670	-.03430	.24124
2.000	-2.210	-.02310	.29640	.00330	.07430	-.02700	.01210	.02500	-.01120	-.02080	.24044
2.000	-.180	-.02400	.30720	.00560	-.00260	.00310	.00090	.02870	-.00000	-.01310	.24252
2.000	1.840	-.02650	.29880	.00740	-.08710	.03680	-.01150	.02920	-.00350	.00570	.23523
2.000	3.860	-.02140	.30080	.00330	-.17010	.07000	-.02420	.02740	-.00130	.01910	.23753
2.000	5.890	-.01080	.30220	-.00690	-.25950	.10400	-.03800	.02580	.00470	.03760	.23555
2.000	7.920	-.00790	.30380	-.01300	-.35290	.13740	-.05140	.02320	.00950	.05380	.23587
GRADIENT	-.00110	-.00018	.00090	-.00000	-.04064	.01609	-.00609	.00043	.00216	.00661	-.00053

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 SRPR=NOMINAL

(RBWD09) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OFR = .409 SRPR = .557
 POWER = 1.000 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 9/0 RVL = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.000	-7.550	-.50330	.30630	.16570	-.00770	.00470	.00080	.06500	.02010	-.00420	.24965
2.000	-5.540	-.36530	.30060	.11740	-.00600	.06570	.00080	.05480	.01250	-.00140	.24677
2.000	-3.570	-.24230	.29790	.07460	-.00750	.00350	.00070	.04650	.00590	-.00070	.24556
2.000	-1.570	-.12550	.29510	.03550	-.00570	.00380	.00080	.03540	-.00250	-.00260	.24635
2.000	.460	-.02020	.29000	.00250	-.00380	.00300	.00080	.02590	-.01120	-.00550	.24562
2.000	2.470	.08720	.28950	-.03420	-.00410	.00320	.00060	.01680	-.01990	-.00680	.24868
2.000	4.430	.19060	.28810	-.06950	-.00640	.00330	.00040	.00740	-.02750	-.00710	.24984
2.000	6.470	.30680	.28980	-.11430	-.00820	.00390	-.00010	.00340	-.03810	-.00650	.25301
2.000	8.520	.43430	.29100	-.16170	-.00680	.00410	-.00030	.00080	-.03690	-.00710	.25594
GRADIENT		.05382	-.00126	-.01786	.00017	-.00005	-.00004	-.00483	-.00420	-.00085	.00054

ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBWD10) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 10/0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.970	-.53680	.34750	.19010	-.01010	.00500	.00090	.10480	.05010	-.00390	.23720
1.550	-5.970	-.38460	.34650	.13210	-.00650	.00280	.00110	.09360	.02770	-.00770	.23738
1.550	-4.030	-.23080	.34840	.06970	-.01000	.00440	.00050	.08440	.01630	-.00850	.24299
1.550	-1.980	-.10070	.34950	.01590	-.00340	.00290	.00090	.07550	.00880	-.00080	.24734
1.550	.010	.02270	.34720	-.03470	-.00410	.00310	.00020	.06600	.00540	-.00190	.24892
1.550	2.020	.14170	.34410	-.08010	-.00180	.00170	.00050	.05840	-.00310	-.00160	.25245
1.550	4.010	.25550	.34190	-.12120	-.00450	.00280	.00010	.05190	-.00750	.00150	.25403
1.550	6.020	.36800	.33950	-.15940	-.00570	.00260	.00000	.04480	-.01150	-.00030	.25714
1.550	8.060	.46080	.33550	-.18760	-.00630	.00200	-.00010	.03940	-.01840	.00130	.26019
GRADIENT		.06051	-.00091	-.02380	.00063	-.00022	-.00006	-.00409	-.00296	.00096	.00136

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 POWER OFF

(RBV021) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

RUN NO. 21/0 RVL = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CMR	CAF
2.001	-7.520	-.48940	.31860	.16490	-.00140	.00110	.00020	.07030	.01530	.00230	.23950
2.001	-5.560	-.35440	.31290	.11740	-.00010	-.00030	.00070	.06020	.00740	.00190	.23548
2.001	-3.580	-.23380	.31170	.07580	-.00030	-.00030	.00030	.05090	.00010	.00230	.23527
2.001	-1.550	-.12440	.30800	.03870	-.00020	-.00020	.00090	.03950	-.00850	.00260	.23397
2.001	.440	-.02130	.30810	.00650	.00280	-.00070	.00040	.02760	-.01760	.00260	.23558
2.001	2.470	.08140	.30820	-.02630	.00220	-.00050	.00020	.01910	-.02550	.00290	.23962
2.001	4.470	.18960	.30700	-.06630	-.00100	-.00010	-.00010	.00960	-.03270	.00390	.24539
2.001	6.470	.35680	.30460	-.11090	-.00070	-.00070	-.00050	.00550	-.03950	.00410	.24689
2.001	8.450	.42940	.30550	-.15830	.00020	-.00020	-.00050	.00390	-.04130	.00440	.24920
GRADIENT		.03232	-.00046	-.01746	-.00007	.00002	-.00005	-.00512	-.00411	.00017	.00129

ARC 97-710 1A12B Q1 T1 S1 POWER OFF

(RBV022) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

RUN NO. 22/0 RVL = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CMR	CAF
1.551	-7.970	-.53920	.35090	.19360	-.00450	-.00040	.00120	.15640	.04550	.00840	.23748
1.551	-6.010	-.38920	.34910	.13690	.00180	-.00250	.00120	.09470	.02450	.00790	.23740
1.551	-4.000	-.24800	.34990	.07980	.00300	-.00260	.00130	.06580	.01240	.00820	.23998
1.551	-2.020	-.11230	.35160	.02290	.00680	-.00350	.00110	.07630	.00570	.00000	.24390
1.551	.020	.00720	.34930	-.02630	.00900	-.00440	.00150	.06680	-.00170	.00000	.24578
1.551	2.020	.12740	.34600	-.07360	.00810	-.00440	.00130	.05580	-.00610	.00000	.24548
1.551	4.000	.24570	.34360	-.11790	.00630	-.00410	.00070	.05090	-.01000	.00000	.24370
1.551	6.010	.36190	.34060	-.15940	.00640	-.00490	.00050	.04270	-.01530	.00000	.24107
1.551	8.090	.46850	.33810	-.19560	.00350	-.00420	.00000	.03720	-.02240	.00000	.24452
GRADIENT		.06123	-.00091	-.02455	.00040	-.00019	-.00005	-.00435	-.00233	.00000	.00000

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 SI ORB ON, SRMPR=NOMINAL

(RBV023) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 993.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMPR = .469
 POWER = 1.000 GINSAL = 1.000

RUN NO. 23/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.990	-54790	32910	.19300	.00200	-.00240	.00090	.09700	.04680	.00900	.23895
1.550	-5.990	-39400	32940	.13480	.00160	-.00300	.00090	.08560	.02440	.00820	.24268
1.550	-4.010	-25650	33060	.07920	.00760	-.00390	.00120	.07870	.01180	.00800	.24455
1.550	-2.050	-11890	33150	.02310	.00990	-.00500	.00120	.07060	.00460	.00770	.24648
1.550	-.070	.00120	33080	-.02590	.00970	-.00490	.00190	.08240	-.00390	.00820	.24992
1.550	1.980	.11720	33040	-.07040	.00930	-.00480	.00040	.05470	-.00760	.00910	.25369
1.550	3.970	.24000	32930	-.11660	.00900	-.00540	.00070	.04720	-.01240	.01000	.25375
1.550	5.930	.35600	32780	-.15770	.00800	-.00610	.00040	.03910	-.01780	.00990	.25458
1.550	7.910	.46200	32290	-.19490	.00510	-.00510	-.00050	.03340	-.02490	.00160	.25473
GRADIENT		.06147	-.00019	-.02426	.00011	-.00014	-.00009	-.00395	-.00303	.00027	.00333

ARC 97-710 1A128 ON T1 SI ORB OFF, SRMPR=NOMINAL

(REV024) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 993.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 SRMPR = .469 POWER = 1.000
 GINSAL = 1.000

RUN NO. 24/ 0 RN/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.040	-54420	33250	.19190	.00090	-.00170	.00100	.09850	.04380	.00900	.24162
1.550	-5.990	-39140	33220	.13420	.00310	-.00300	.00120	.08830	.02290	.00830	.24351
1.550	-3.970	-24680	33240	.07620	.00360	-.00260	.00090	.08010	.01050	.00830	.24479
1.550	-2.010	-11580	33310	.02160	.01270	-.00620	.00160	.07190	.00370	.00810	.24564
1.550	.010	.00300	33310	-.02690	.01190	-.00580	.00130	.06320	.00390	.00830	.25053
1.550	2.020	.12330	33010	-.07360	.01010	-.00540	.00090	.05560	-.00850	.00910	.25223
1.550	4.010	.24420	32770	-.11840	.00980	-.00570	.00060	.04730	-.01260	.00980	.25272
1.550	5.990	.36190	32580	-.16040	.01050	-.00680	.00040	.02890	-.01830	.00980	.25286
1.550	8.040	.46700	32070	-.19680	.00710	-.00590	-.00020	.03370	-.02550	.00160	.25594
GRADIENT		.06108	-.00062	-.02421	.00049	-.00027	-.00007	-.00408	-.00292	.00020	.00097

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 ORB ON, SRMR=NOMINAL

(RBW25) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .433 SWMR = .469
 POWER = 1.000 GINBAL = 1.000

RUN NO. 25/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CTR	CAF
1.550	-8.340	-.02680	.28620	-.01260	.37200	-.14080	.05320	.06420	-.01050	-.05300	.20767
1.550	-6.300	-.01600	.30520	-.01170	.27470	-.10740	.04240	.06200	-.00850	-.04400	.22829
1.550	-4.270	-.00320	.32640	-.02150	.18400	-.07440	.02960	.06110	-.00620	-.02350	.25060
1.550	-2.230	-.00110	.32730	-.02380	.09860	-.03960	.01500	.05990	-.00480	-.00763	.25201
1.550	-.200	.00290	.33280	-.02690	.00990	-.00440	.00110	.06280	-.00330	.00910	.25245
1.550	1.840	.00140	.33090	-.02660	-.00080	.00070	-.01340	.06130	-.00750	.02680	.24547
1.550	3.860	-.00020	.32330	-.02470	-.16860	.06640	-.02330	.04440	.01680	.04170	.24468
1.550	5.910	.00280	.31670	-.02710	-.26210	.10310	-.04330	.03400	.02500	.06160	.24302
1.550	7.940	.00210	.30910	-.02820	-.35950	.13800	-.05770	.02490	.03060	.07590	.22382
GRADIENT		.00042	-.00013	-.00045	-.04351	.01731	-.00709	-.00157	.00287	.00811	-.00093

ARC 97-710 1A128 01 T1 S1 ORB OFF, SRMR=NOMINAL

(RBW26) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 SWMR = .469 POWER = 1.000
 GINBAL = 1.000

RUN NO. 26/ 0 RN/L = 4.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CTR	CAF
1.550	-8.340	-.02180	.29280	-.00580	.37460	-.14180	.05320	.06460	-.01080	-.05000	.21552
1.550	-6.300	-.00880	.31320	-.01490	.27740	-.10920	.04290	.06290	-.00910	-.04330	.23681
1.550	-4.260	.00070	.32540	-.02000	.18320	-.07450	.02940	.06220	-.00680	-.02260	.24890
1.550	-2.230	.00440	.32590	-.02680	.09990	-.04110	.01550	.06040	-.00550	-.00750	.24986
1.550	-.200	.00970	.33250	-.03080	.01100	-.00550	.00140	.06320	-.00170	.00300	.25055
1.550	1.830	.00560	.33110	-.02960	-.07860	.02950	-.01310	.06200	.00700	.03390	.24513
1.550	3.870	.00360	.32280	-.02650	-.16720	.06600	-.02830	.04730	.01610	.04330	.24582
1.550	5.900	.00550	.31680	-.02800	-.26100	.10240	-.04300	.03720	.02410	.06110	.24418
1.550	7.940	.00240	.31160	-.02810	-.35850	.13740	-.05740	.02610	.03070	.07710	.23051
GRADIENT		.00034	-.00000	-.00048	-.04327	.01730	-.00709	-.00139	.00287	.00791	-.00071

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 POWER OFF

(RBV027) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = .000
 POWER = .000 GINBAL = 1.000

RUN NO. 27/0 RV/L = 4.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.340	-0.01620	.31560	-.00950	.37580	-.14470	.05430	.06620	-.01240	-.05270	.21757
1.550	-6.330	-.00470	.33310	-.01790	.27990	-.11280	.04380	.06440	-.01030	-.04910	.23569
1.550	-4.260	.00000	.34460	-.02150	.18370	-.07740	.03020	.06480	-.00750	-.02720	.24560
1.550	-2.230	.00160	.34860	-.02430	.09940	-.04240	.01570	.06430	-.00600	-.00980	.24576
1.550	-.200	.00770	.35330	-.02880	.01280	-.00750	.00140	.06690	-.00220	.01860	.24910
1.550	1.840	.00510	.34870	-.02730	-.07760	.02850	-.01350	.06580	-.00620	.02780	.24236
1.550	3.870	.00070	.34340	-.02330	-.17010	.06670	-.02900	.05480	.01550	.04490	.24160
1.550	5.900	.00310	.33310	-.02540	-.26400	.10390	-.04440	.04520	.02470	.06330	.23568
1.550	7.940	.00210	.32710	-.02740	-.35930	.13900	-.05880	.03610	.03060	.05370	.22659
GRADIENT		.00024	-.00011	-.00032	-.04371	.01766	-.00726	-.00091	.00286	.00694	-.00056

ARC 97-710 1A12B Q1 T1 S1 ORB ON,SRMPR=3.83XNM

(RBV029) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDER = .000
 ORB = .433 SRMPR = 1.790
 POWER = 1.000 GINBAL = 1.000

RUN NO. 29/0 RV/L = 1.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.970	-.49990	.27820	.19010	.00580	-.00410	.00170	.05110	.00020	-.01800	.24934
1.550	-5.940	-.35220	.27840	.09310	.00470	-.00510	.00160	.04320	-.02120	-.01950	.25062
1.550	-3.980	-.22310	.28220	.04730	.00680	.00400	.00150	.03770	-.03370	-.01950	.25727
1.550	-1.980	-.09610	.28330	-.00280	.01280	.00520	.00150	.03320	-.04390	-.1950	.25926
1.550	.030	.02750	.28520	-.05180	.01690	-.01640	.00190	.02910	-.05550	-.02050	.26247
1.550	1.970	.14210	.27500	-.09350	.01980	.00300	.00260	.02540	-.06160	-.01950	.26367
1.550	4.020	.25310	.29080	-.13300	.00950	.00170	-.00040	.02420	-.06220	-.01860	.26976
1.550	6.010	.36160	.28720	-.16940	.01130	.00170	.00040	.01310	-.07670	-.01960	.27109
1.550	8.010	.45690	.26980	-.19700	.00400	.00170	-.00080	.00250	-.08320	-.01860	.26936
GRADIENT		.06008	.00046	-.02262	.00062	-.00041	-.00013	-.00174	-.00435	.00007	.00146

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 SI ORB ON, SRMPR=3.83XNM

(RBV330) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SRMPR = 2.128
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 30/0 RV/L = 1.25 GRADIENT INTERVAL = -5.10/ 5.00

WACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.580	-48920	.17330	.14020	.00160	.00240	.00090	.02900	-.03260	-.03360	.30042
2.001	-5.580	-35380	.20560	.09410	.00610	.00080	.00070	.02140	-.06050	-.03360	.27449
2.001	-3.580	-23580	.22690	.05580	.00380	.00060	.00060	.01420	-.06630	-.03480	.26122
2.001	-1.580	-13120	.20800	.02530	.00590	.00070	.00040	.00660	-.07370	-.03490	.27011
2.001	.420	-.02840	.10320	-.05570	.00720	.00090	.00050	T .00320	-.08340	-.03560	.32470
2.001	2.420	.07150	.14140	-.03700	.00260	.00230	.00010	+.00840	-.09270	-.03600	.35181
2.001	4.460	.18350	.11090	-.07230	.00740	.00210	-.00060	-.01390	-.09990	-.03470	.32765
2.001	6.380	.28650	.13710	-.10940	.00170	.00270	-.00060	-.01700	-.10660	-.03480	.31384
2.001	8.400	.40940	.22540	-.15290	.00750	.00150	-.00090	-.02050	-.10570	-.03450	.27242
GRADIENT		.05191	-.01486	-.01568	.00020	.00023	-.00012	-.00355	-.00430	-.00004	.00820

ARC 97-710 1A128 OI T1 SI ORB ON, SRMPR=2.24XNM

(RBV331) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SRMPR = 1.245
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 31/0 RV/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.630	-49680	.20990	.14740	.00160	.00140	.00030	.03550	-.02160	-.01560	.26341
2.001	-5.580	-35760	.19510	.09900	.00740	.00200	.00080	.02600	-.02280	-.01610	.26293
2.001	-3.610	-23480	.20950	.05880	.00920	.00220	.00030	.01930	-.03540	-.01560	.26034
2.001	-1.550	-12450	.20710	.02540	.00620	.00070	.00080	.01030	-.04280	-.01540	.25367
2.001	.350	-.02610	.19260	-.00360	.00730	-.00030	.00030	.00190	-.05270	-.01431	.26916
2.001	2.490	.07430	.22100	-.03370	.00430	-.00040	-.00020	-.00360	-.06260	-.01440	.25141
2.001	4.440	.18480	.18010	-.07280	.00490	.00060	-.00050	-.00840	-.07310	-.01480	.25145
2.001	6.400	.30070	.21310	-.11560	.00520	-.00090	-.00090	-.01020	-.07700	-.01500	.26796
2.001	8.420	.41580	.20790	-.15750	.00140	.00020	-.00110	-.01150	-.07660	-.01480	.27762
GRADIENT		.05177	-.00224	-.01618	-.00033	.00033	-.00016	-.00346	-.00440	-.00013	.00176

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBV032) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

RUN NO. 32/0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.960	-53990	34490	.19400	.01080	-.01660	.00560	.10530	.04160	-.08470	.23077
1.550	-6.000	-39340	34510	.13800	.01410	-.01760	.00560	.09440	.02280	-.08250	.23209
1.550	-3.990	-24970	34420	.07960	.01930	-.01820	.00600	.08530	.01190	-.08030	.23299
1.550	-2.000	-11390	34390	.02280	.01700	-.01720	.00550	.07530	.00500	-.07770	.23564
1.550	.030	.00610	34360	-.02650	.02010	-.01850	.00530	.06630	-.00160	-.07430	.23957
1.550	2.020	.12820	33970	-.07400	.01720	-.01710	.00460	.05840	-.00640	-.06990	.24112
1.550	4.050	.24450	33830	-.11710	.01750	-.01680	.00480	.05030	-.01070	-.06820	.24284
1.550	6.030	.35830	33680	-.15830	.01590	-.01660	.00440	.04210	-.01620	-.06560	.24560
1.550	8.040	.46690	33480	-.19510	.01440	-.01670	.00400	.03590	-.02360	-.06820	.24934
GRADIENT		.06121	-.00080	-.02439	-.00019	.00014	-.00016	-.00432	-.00282	.00159	.00125

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBV033) (26 MAR 74)

RUN NO. 33/0 RV/L = 3.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.320	-.01710	.31130	-.00850	.36250	-.13390	.05870	.06800	-.00670	-.14220	.21444
1.550	-6.290	-.02830	.33090	-.01640	.28650	-.12230	.04840	.06660	-.00520	-.12780	.23453
1.550	-4.260	-.00160	.34100	-.02010	.19550	-.08820	.03480	.06570	-.00310	-.10980	.24286
1.550	-2.230	.00100	.34410	-.02290	.10890	-.05330	.02020	.06520	-.00190	-.09950	.24192
1.550	-.200	.00920	.34460	-.02610	.02170	-.01810	.00540	.06760	.00170	-.07430	.24169
1.550	1.840	.00150	.34440	-.02510	-.06990	.01800	-.00890	.06640	.01020	-.05400	.23992
1.550	3.860	-.00280	.33840	-.02040	-.15890	.05540	-.02420	.05530	.01910	-.03490	.23970
1.550	5.900	-.00100	.33200	-.02280	-.25220	.09280	-.03950	.04600	.02830	-.01350	.23472
1.550	7.930	.00250	.32540	-.02870	-.34960	.12830	-.05500	.03710	.03430	.00980	.22613
GRADIENT		-.00009	-.00024	-.00015	-.04364	.01765	-.00724	-.00096	.00278	.00932	-.00042

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBV034) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

RUN NO. 34/0 RVL = 5.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.520	-.49770	.31700	.16630	.00790	-.00950	.00430	.07020	.02500	-.07110	.24132
2.001	-5.540	-.36660	.31190	.12100	.00830	-.01110	.00450	.06000	.01630	-.06910	.23872
2.001	-3.560	-.24480	.31420	.07970	.00900	-.01130	.00420	.05100	.01840	-.06590	.24045
2.001	-1.540	-.13220	.31180	.04270	.01240	-.01160	.00410	.04010	-.00380	-.06190	.23920
2.001	.440	-.02580	.31170	.03810	.02290	-.01020	.00370	.02770	-.01100	-.06010	.24175
2.001	2.450	.08050	.31030	-.02740	.00970	-.00990	.00350	.01910	-.02020	-.05730	.24400
2.001	4.440	.18470	.30810	-.06370	.00950	-.01070	.00320	.00980	-.02830	-.05570	.24625
2.001	6.450	.30640	.30710	-.11060	.00810	-.00940	.00250	.00560	-.03590	-.05330	.24807
2.001	8.480	.42730	.30880	-.15670	.00950	-.01040	.00230	.00330	-.03890	-.05170	.24931
GRADIENT		.05351	-.00068	-.01782	-.00008	.00014	-.00013	-.00016	-.00453	.00122	.00122

ARC 97-710 1A128 Q1 T1 S1 POWER OFF

(RBV035) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

RUN NO. 35/0 RVL = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.350	-.00270	.31320	-.01500	.36020	-.14380	.05470	.02470	-.02280	-.12310	.24107
2.001	-6.320	-.01440	.31350	-.00390	.27000	-.11170	.04270	.02340	-.02050	-.10340	.24297
2.001	-4.290	-.02180	.31190	.00440	.17790	-.07740	.02950	.02710	-.01730	-.09320	.24054
2.001	-2.270	-.02940	.30960	.01120	.09840	-.04540	.01660	.02670	-.01240	-.07780	.23915
2.001	-.240	-.03070	.31140	.01080	.01350	-.01140	.00390	.02920	-.00880	-.06190	.23982
2.001	1.780	-.03060	.30650	.01100	-.06920	.02140	-.00820	.03070	-.00390	-.04470	.24145
2.001	3.800	-.02950	.30130	.02880	-.15210	.05470	-.02100	.02920	-.01300	-.04270	.24016
2.001	5.830	-.01930	.30120	-.00140	-.24260	.06880	-.00530	.02850	.00430	-.03800	.23273
2.001	7.860	-.01160	.30050	-.00970	-.33880	.12380	-.04920	.02810	.00970	-.01560	.23071
GRADIENT		-.00077	-.00120	.00043	-.04091	.01636	-.00622	.00039	.00223	.00121	.00121

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 SI ORB ON, SRMPR=NOMINAL

(RBW036) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = 10.000
 CTR = .409 SRMPR = .557
 POWER = 1.000 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 36/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.570	-.50670	.29190	.16760	.00820	-.01010	.00460	.06280	.01830	-.07400	.24272
2.001	-5.580	-.37310	.28850	.12140	.00950	-.01110	.00460	.05300	.01110	-.07130	.24117
2.001	-3.570	-.24960	.28780	.07890	.01160	-.01180	.00460	.04500	.00520	-.06610	.23928
2.001	-1.600	-.13310	.28430	.04010	.01030	-.01070	.00450	.03420	-.00290	-.06210	.23990
2.001	.450	-.02720	.27550	.00820	.01290	-.01080	.00400	.02360	-.01010	-.05900	.23955
2.001	2.460	.07350	.27730	-.02840	.00960	-.00960	.00340	.01590	-.01880	-.05690	.24378
2.001	4.460	.18420	.27690	-.06670	.01040	-.01010	.00370	.00570	-.03480	-.05180	.24623
2.001	6.400	.29350	.27670	-.10670	.00690	-.00820	.00350	.00230	-.03740	-.04880	.24945
2.001	8.490	.42260	.27960	-.15560	.00760	-.00860	.00250	.00050	-.03740	-.04880	.24945
6. GRADIENT		.05348	-.00143	-.01788	-.02016	.00022	-.00014	-.00484	-.00403	.00141	.00085

ARC 97-710 1A128 Q1 T1 SI ORB ON, SRMPR=NOMINAL

(RBW037) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ALPHA = .000 RUDDER = 10.000
 CTR = .409 SRMPR = .557
 POWER = 1.000 GIMBAL = 1.000

PARAMETRIC DATA

RUN NO. 37/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.350	-.00460	.28260	-.01880	.35330	-.13890	.03210	.02250	-.02240	-.11100	.23910
2.001	-6.350	-.01490	.27940	-.00860	.26640	-.10800	.04160	.02170	-.01990	-.10280	.23857
2.001	-4.300	-.02370	.28110	.00030	.17660	-.07380	.02870	.02400	-.01380	-.08990	.24070
2.001	-2.270	-.03370	.27660	.00810	.09340	-.04180	.01620	.02230	-.01120	-.07650	.23919
2.001	-.240	-.03490	.27790	.00980	.01120	-.00980	.00460	.02320	-.00840	-.05990	.24078
2.001	1.780	-.03250	.27450	.00820	-.07090	.02250	-.00820	.02200	-.00390	-.04350	.23974
2.001	3.800	-.02390	.27160	.00110	-.15380	.05430	-.02070	.01620	.00050	-.02690	.23692
2.001	5.850	-.01850	.27390	-.00650	-.24270	.08810	.03460	.01220	.00390	-.00680	.23792
2.001	7.870	-.00960	.27120	-.01530	-.33810	.12290	-.04810	.01080	.00760	.01190	.23210
GRADIENT		.00004	-.00104	.00009	-.04075	.01583	-.00608	-.00078	.00205	.00785	-.00035

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 ORB ON, SRMPR=NOMINAL

(RBVD38) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 OFR = .433 SRMPR = .469
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 38/ 0 RN/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-6.030	-38700	.32590	.13140	.01100	-.01400	.00540	.08300	.02610	-.08100	.23624
1.550	-3.990	-24740	.33190	.07680	.01390	-.01400	.00550	.07960	.01420	-.07940	.24261
1.550	-2.040	-10980	.32830	.01870	.01410	-.01350	.00540	.06950	.00920	-.07590	.24388
1.550	-.030	.00620	.32850	-.02890	.01740	-.01480	.00550	.06140	.00070	-.07260	.24568
1.550	2.000	.12730	.32780	-.07590	.01560	-.01380	.00460	.05410	-.00370	-.06850	.24853
1.550	3.980	.24370	.32600	-.11880	.01260	-.01260	.00430	.04710	-.00760	-.06600	.24854
1.550	5.980	.36150	.32680	-.16070	.01400	-.01390	.00440	.03870	-.01350	-.06420	.25052
1.550	7.900	.46370	.32350	-.19560	.01120	-.01390	.00350	.03330	-.02040	-.06720	.25217
GRADIENT		.06101	-.00061	-.02429	-.00006	.00013	-.00016	-.00402	-.00283	.00171	.00083

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 OFR = .433 SRMPR = .469
 POWER = 1.000 GIMBAL = 1.000

ARC 97-710 1A128 01 T1 S1 ORB ON, SRMPR=NOMINAL

(RBVD39) (26 MAR 74)

RUN NO. 39/ 0 RN/L = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-4.340	-02450	.28670	-.01480	.37370	-.14410	.05590	.06440	-.00560	-.13650	.21006
1.550	-6.300	7.01160	.30700	-.01290	.27920	-.11470	.04580	.06260	-.00370	-.12220	.22955
1.550	-4.260	.00180	.32380	-.02400	.18790	-.08170	.03350	.06140	-.00150	-.10340	.24654
1.550	-2.230	.00250	.32680	-.02580	.10190	-.04790	.01930	.06050	.00010	-.08930	.24732
1.550	-.200	.00650	.33240	-.02860	.02000	-.01540	.00600	.06210	.00390	-.07240	.24905
1.550	1.840	.00530	.32910	-.02820	-.07000	.01970	-.00890	.06100	.01210	-.05230	.24534
1.550	3.870	.00150	.31990	-.02480	-.16200	.05720	.02460	.04450	.02140	-.03520	.24241
1.550	5.900	.00610	.31500	-.02900	-.25360	.09280	.03960	.03340	.02920	-.01490	.24107
1.550	7.940	.00530	.30960	-.03220	-.35180	.12900	-.05420	.02450	.03530	.00780	.23148
GRADIENT		.00011	-.00027	-.00020	-.04238	.01699	-.00710	-.00164	.00284	.00850	-.00050

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 ORB ON, SRMPR=NOMINAL

(RBVD40) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OFR = .409 SRMPR = .557
 POWER = 1.000 GINGAL = 2.000

PARAMETRIC DATA

RUN NO. 40/ 0 RVL = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.650	-.49290	.29430	.16190	.00210	.00010	.00020	.06320	.00370	-.00470	.24358
2.001	-5.620	-.35720	.28680	.11530	.00230	-.00140	.00030	.05320	-.00330	-.00470	.24010
2.001	-3.620	-.23240	.28350	.07110	.00580	-.00420	.00070	.04320	-.01120	-.00410	.23854
2.001	-1.610	-.11940	.27660	.03190	.00510	-.00330	.00050	.03200	-.01840	-.00390	.24003
2.001	.320	-.01760	.27750	-.00130	.00560	-.00330	.00030	.02080	-.02710	-.00290	.23938
2.001	2.410	.08410	.27570	-.00570	.00820	-.00530	.00040	.01170	-.00330	-.00250	.24124
2.001	4.380	.18710	.27510	-.07100	.00590	-.00550	.00060	.00440	-.04080	-.00880	.24144
2.001	6.330	.29910	.27570	-.11140	.00710	-.00600	.00020	.00320	-.04880	-.01670	.24670
2.001	8.350	.41780	.27840	-.15630	.00670	-.00560	.00020	.00210	-.05050	-.01470	.24909
	GRADIENT	.05206	-.00068	-.01757	.00017	-.00025	-.00001	-.00059	-.00370	-.00040	.00035

ARC 97-710 1A12B 01 T1 S1 ORB ON, SRMPR=NOMINAL

(RBVD41) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ALPHA = .000 RUDDER = .000
 OFR = .409 SRMPR = .557
 POWER = 1.000 GINGAL = 2.000

PARAMETRIC DATA

RUN NO. 41/ 0 RVL = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.350	.00430	.28040	-.02410	.34740	-.13150	.04780	.01540	-.03620	-.02900	.23597
2.001	-6.330	-.00780	.27900	-.01380	.25640	-.09870	.03610	.01510	-.03300	-.00980	.23700
2.001	-4.300	-.01340	.27930	-.00630	.16360	-.06240	.02290	.01820	-.02900	.01320	.23827
2.001	-2.270	-.02630	.27220	.00300	.08360	-.03240	.01130	.01730	-.02390	.01290	.23373
2.001	-.250	-.02950	.27670	.00550	.00620	-.00310	.00020	.02130	-.02040	-.00260	.23782
2.001	1.780	-.02350	.27330	.00150	-.07310	.02680	-.01110	.02070	-.01610	-.01050	.23572
2.001	3.810	-.01800	.27320	-.00370	-.15660	.05840	-.02350	.01710	-.01090	-.00390	.23554
2.001	5.840	-.00990	.27500	-.01180	-.24900	.09380	-.03770	.01500	-.00760	.02170	.23446
2.001	7.860	-.00500	.27480	-.01820	-.33890	.12630	-.05070	.01360	-.00350	.04080	.23304
	GRADIENT	-.00032	-.00055	.00018	-.03932	.01484	-.00568	.00006	.00218	-.00284	-.00017

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 ORB ON, SRMFR=NOMINAL

(RBV042) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SRMFR = .469
 POWER = 1.000 GINBAL = 2.000

RUN NO. 42/0 RNL = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.320	-.00080	.30790	-.02900	.36790	-.14150	.05460	.06030	-.01970	-.03740	.22650
1.550	-6.290	.00690	.31690	-.03110	.27320	-.10870	.04280	.05790	-.01770	-.01420	.23619
1.550	-4.250	.00770	.31930	-.03080	.18130	-.07250	.02830	.05670	-.01510	.01070	.24193
1.550	-2.230	.01080	.32210	-.03350	.09350	-.04050	.01450	.05560	-.01340	.01980	.24251
1.550	-.200	.01150	.32700	-.03530	.01230	-.00750	.00070	.05820	-.00930	.00490	.24392
1.550	1.830	.01090	.32450	-.03540	-.07430	.02460	-.01260	.05820	-.00130	-.00350	.24200
1.550	3.860	.00770	.31830	-.03140	-.16340	.06190	-.02790	.04460	.00690	.00600	.24023
1.550	5.890	.00770	.31400	-.03220	-.25560	.09820	-.04260	.03570	.01780	.02950	.23646
1.550	7.920	.00650	.31190	-.03170	-.35440	.13460	-.05740	.02680	.02340	.05360	.23158
1.550	GRADIENT	.00200	.00302	-.00015	-.04232	.01646	-.00688	-.00107	.00296	-.00171	-.00019

ARC 97-710 1A128 Q1 T1 S1 ORB ON, SRMFR=NOMINAL

(RBV043) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SRMFR = .469
 POWER = 1.000 GINBAL = 2.000

RUN NO. 43/0 RNL = 3.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.240	-.54900	.32840	.18870	.00150	-.00390	.00080	.09780	.04190	.00590	.23512
1.550	-6.010	-.38200	.32740	.12490	.00250	-.00450	.00050	.08370	.01660	.00570	.21522
1.550	-4.070	-.23950	.32740	.06790	.00580	-.00520	.00050	.07580	.00430	.00520	.23753
1.550	-2.060	-.11200	.32970	.01580	.01070	-.00770	.00110	.06690	-.00270	.00170	.24245
1.550	-.080	.01070	.32770	-.03480	.01250	-.00820	.00060	.05810	-.01100	.00420	.24357
1.550	1.920	.13110	.32580	-.08140	.01120	-.00760	.00030	.05080	-.01540	.00420	.24672
1.550	3.890	.24960	.32470	-.12460	.00910	-.00700	.00040	.04410	-.01980	.00320	.24542
1.550	5.930	.36100	.32650	-.16340	.01050	-.00870	.00050	.03660	-.02530	.00150	.24975
1.550	7.890	.46500	.32090	-.20150	.00550	-.00720	-.00020	.03220	-.03220	-.00290	.24945
1.550	GRADIENT	.06137	-.00047	-.02423	.00036	-.00018	-.00005	-.00400	-.00305	-.00032	.00007

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 ORB ON, SMPR=2.24XNOM

(RBV044) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OFR = .433 SEMR = 1.050
 POWER = 1.000 GIMBAL = 2.000

PARAMETRIC DATA

RUN NO. 44/ 0 RN/L = 2.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.085	-52460	.30680	.17430	-.00020	-.00290	.00050	.08650	.02640	-.00280	.23984
1.550	-5.995	-.37810	.30720	.11910	.00200	-.00380	.00050	.07410	.00370	-.00290	.24043
1.550	-4.005	-.23610	.30960	.06220	.00790	-.00630	.00050	.06720	-.00680	-.00280	.24708
1.550	-2.053	-.09890	.30780	.00700	.01040	-.00750	.00090	.05910	-.01510	-.00330	.24653
1.550	-.075	.01910	.31000	-.04090	.01410	-.00910	.00080	.05080	-.02300	-.00330	.25166
1.550	2.030	.13360	.31060	-.08440	.01050	-.00700	.00010	.04450	-.02790	-.00520	.25402
1.550	3.925	.25380	.30860	-.12790	.00970	-.00660	.00080	.03760	-.03390	-.00640	.25518
1.550	5.970	.36300	.30630	-.16780	.01330	-.01020	.00080	.02960	-.03690	-.00590	.25419
1.550	7.940	.45620	.29370	-.20220	.00770	-.00830	.00040	.02350	-.04710	-.00880	.25318
1.550	GRADIENT	.06183	.00005	-.02367	.00018	-.00000	-.00009	-.00370	-.00326	-.00046	.00119

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ALPHA = .000 RUDDER = .000
 OFR = .433 SEMR = 1.050
 POWER = 1.000 GIMBAL = 2.000

PARAMETRIC DATA

RUN NO. 45/ 0 RN/L = 2.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.270	.02290	.29580	-.04410	.36340	-.13060	.05580	.05490	-.03040	-.03950	.23608
1.550	-6.250	.01400	.30360	-.03630	.27030	-.10620	.04270	.05380	-.02880	-.02450	.24123
1.550	-4.230	.01460	.30440	-.03580	.17680	-.06950	.02750	.05050	-.02700	.00260	.24623
1.550	-2.220	.01760	.30390	-.03790	.09480	-.03740	.01360	.04870	-.02600	.01100	.24733
1.550	-.200	.01910	.31330	-.04010	.01320	-.00910	.00100	.05310	-.02140	-.00240	.24964
1.550	1.820	.02020	.30690	-.04130	-.07160	.02390	-.01270	.04990	-.01390	-.01180	.24904
1.550	3.840	.01990	.29780	-.03890	-.16110	.06160	-.02790	.03250	-.00390	-.00020	.24575
1.550	5.860	.01640	.29920	-.03940	-.25330	.09730	-.04240	.02330	-.00510	.02410	.24532
1.550	7.880	.02100	.29340	-.04460	-.34370	.13120	-.03710	.01420	.00920	.04410	.23527
1.550	GRADIENT	.00065	-.00031	-.00048	-.04173	.01603	-.00679	-.00173	.00289	-.00141	.00004

ARC 97-710 1A12B 01 T1 S1 ORB ON, SMPR=2.24XNOM

(RBV045) (26 MAR 74)

ARC 97-710 1A128 OI T1 S1 ORB ON, SRMPR=3.83XNOM

(RBVD46) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OPR = .433 SRMPR = 1.790
 POWER = 1.000 G1MBAL = 2.000

RUN NO. 46/ 0 RV/L = 1.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.230	.08250	.23570	-.06390	.35060	-.13040	.05370	.04580	-.08270	-.06340	.26444
1.550	-6.250	.04890	.23890	-.06350	.25670	-.09840	.04250	.04100	-.08240	-.04450	.26869
1.550	-4.210	.03590	.14760	-.05540	.16610	-.06460	.02340	.03840	-.05940	-.02410	.32336
1.550	-2.210	.04570	.10840	-.05960	.09850	-.03720	.01360	.03360	-.03790	-.01990	.32199
1.550	-.200	.03880	.14450	-.05450	.01990	-.00910	.00250	.03150	-.05300	-.02670	.33812
1.550	1.810	.04070	.13720	-.05620	-.02180	-.05410	-.01200	.01320	-.04190	-.02470	.31609
1.550	3.820	.03750	.15080	-.05970	-.14770	.05410	-.02610	-.00290	-.03690	-.02160	.31391
1.550	5.830	.06930	.11930	-.07170	-.24430	.09320	-.04190	-.00800	-.03690	-.00120	.33150
1.550	7.840	.04930	.10130	-.07080	-.32820	.12250	-.05320	-.00940	-.03410	.01810	.32614
GRADIENT		-.00229	.00175	-.00230	-.03937	.01476	-.00621	-.00513	.00310	.00001	-.00144

ARC 97-710 1A128 OI T1 S1 ORB ON, SRMPR=3.83XNOM

(RBVD47) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMPR = 1.790
 POWER = 1.000 G1MBAL = 2.000

RUN NO. 47/ 0 RV/L = 1.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.010	-.46550	.07110	.13070	.01200	-.00500	.00130	.04660	-.00790	-.02930	.34447
1.550	-6.000	-.28820	.07990	.06460	.00580	-.00490	-.00120	.04260	-.02860	-.02310	.35600
1.550	-4.050	-.21640	.10510	.03980	.01450	-.00690	.00080	.04100	-.03850	-.02110	.34375
1.550	-2.000	-.07570	.09070	-.01330	.01530	-.00660	.00220	.03670	-.04900	-.02210	.35381
1.550	-.030	.03600	.09790	-.05700	.02000	-.01050	.00020	.02930	-.05810	-.02900	.35569
1.550	1.940	.15570	.08170	-.10120	.00900	-.00440	-.00140	.02730	-.06570	-.02850	.36100
1.550	3.990	.26360	.12890	-.13910	.01500	-.00630	-.00010	.02120	-.07230	-.02750	.34126
1.550	6.000	.37160	.07660	-.17510	.05810	-.00530	-.00130	.01240	-.08070	-.02710	.35586
1.550	7.920	.45920	.07820	-.20210	.01020	-.00700	-.00110	.00240	-.08710	-.02000	.36129
GRADIENT		.05951	.00194	-.00226	-.00026	.00017	-.00027	-.00245	-.00421	.00004	-.00086

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TACULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 SI ORB ON, SRMPR=3.83XNOM

(RBVJ48) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OPR = .409 SRMPR = 2.128
 POWER = 1.000 GIMBAL = 2.000

PARAMETRIC DATA

RUN NO. 48/ 0 RVL = 1.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.540	-4.7660	-0.1140	.12790	.00790	-.00210	-.00050	.02440	-.05110	-.04080	.40067
2.001	-5.620	-.34280	-.02160	.08410	.01030	-.00430	-.00050	.01730	-.05970	-.04170	.39521
2.001	-3.600	-.22350	-.02100	.04620	.01010	-.00340	-.00030	.01030	-.06710	-.04310	.40155
2.001	-1.540	-.11740	-.01760	.01590	.01180	-.00360	.00000	.00410	-.07480	-.04350	.40326
2.001	.450	-.01430	-.02670	-.01440	.01310	-.00690	-.00090	-.00550	.08510	-.04390	.40550
2.001	2.360	.08060	-.02970	-.04280	.01270	-.00670	-.00180	-.01010	.09470	-.04510	.40976
2.001	4.430	.19440	-.01560	-.07880	.00820	-.00490	-.00110	-.01230	.10370	-.04510	.42313
2.001	6.400	.30090	-.02000	-.11640	.00850	-.00470	-.00110	-.01430	.11120	-.04410	.41889
2.001	8.440	.42580	-.01520	-.16160	.01040	-.00510	-.00110	-.01570	.11090	-.04390	.41656
GRADIENT		.05180	-.00005	-.01547	-.00015	-.00000	-.00017	-.00297	-.00466	-.00028	.00249

ARC 97-710 1A128 OL T1 SI ORB ON, SRMPR=2.24XNOM

(RBVJ49) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OPR = .409 SRMPR = 1.245
 POWER = 1.000 GIMBAL = 2.000

PARAMETRIC DATA

RUN NO. 49/ 0 RVL = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-7.610	-.47870	.10560	.14200	.00740	-.00130	.00240	.04010	-.02430	-.02650	.32613
2.001	-5.610	-.34780	.09630	.09780	.00540	-.00220	.00050	.00080	-.05130	-.02590	.33233
2.001	-3.570	-.22620	.09330	.05840	.01230	-.00660	.00030	.02240	.03890	-.02380	.33161
2.001	-1.580	-.11760	.09370	.02590	.01080	-.00500	.00030	.01500	.04690	-.02390	.33586
2.001	.400	-.01530	.08810	-.00620	.01120	-.00490	.00010	.00470	-.05690	-.02270	.32932
2.001	2.360	.08490	.09790	-.04000	.00990	-.00340	-.00020	-.00200	-.06390	-.01760	.32922
2.001	4.340	.19370	.09130	-.07730	.00810	-.00290	-.00090	-.00660	-.07210	-.01810	.33231
2.001	6.400	.30450	.09790	-.11590	.00840	-.00370	-.00070	-.00710	-.08030	-.03000	.33981
2.001	8.370	.42130	.09970	-.15870	.00580	-.00280	-.00090	-.00760	-.08070	-.02830	.34354
GRADIENT		.05273	-.00009	-.01704	-.00047	.00046	-.00018	-.00380	-.00422	.00039	-.00027

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 SI ORB ON,SRMPR=2.24XNOM

(RBV050) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SRMPR = 1.245
 POWER = 1.000 G1MSAL = 2.000

RUN NO. 50/ 0 RNVL = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.300	.02290	.10050	-.03890	.33750	-.12160	.04550	.01140	-.06720	-.03770	.32968
2.001	-6.280	.00610	.09500	-.02660	.24780	-.08920	.03390	.00920	-.06530	-.02710	.33803
2.001	-4.270	-.00340	.09460	-.01730	.15860	-.05500	.02070	.01000	-.06110	-.01040	.33742
2.001	-2.260	-.01150	.09200	-.01060	.08030	-.02520	.00990	.00620	-.05720	-.01160	.33282
2.001	-.250	-.01820	.09160	-.00440	.01170	-.00470	.00050	.00540	-.05340	-.02350	.33666
2.001	1.760	-.01030	.08930	-.01250	-.05670	.01790	-.00930	-.00350	-.04790	-.02450	.33687
2.001	3.780	.00180	.09570	-.02250	-.13650	.04720	-.02070	-.00680	-.04380	-.02280	.33923
2.001	5.790	.01280	.09310	-.03260	-.22430	.08020	-.03430	-.00960	-.04200	-.00660	.33777
2.001	7.800	.02340	.09570	-.04110	-.31340	.11210	-.04660	-.00860	-.04000	-.00650	.33780
GRADIENT		.00258	-.00002	-.00064	-.03614	.01230	-.00507	-.00215	.00218	-.00187	.00038

ARC 97-710 1A128 OI T1 SI ORB ON,SRMPR=3.83XNOM

(RBV051) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SRMPR = 2.128
 POWER = 1.000 G1MSAL = 2.000

RUN NO. 51/ 0 RNVL = 1.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.280	.02800	.01070	-.04420	.33020	-.11310	.04340	.00640	-.09520	-.06140	.39857
2.001	-6.270	.01980	-.01590	-.03740	.24380	-.08330	.03200	.00370	-.09550	-.05150	.41603
2.001	-4.260	.01240	-.01140	-.03000	.15890	-.05130	.01880	-.00100	-.09070	-.04010	.42543
2.001	-2.250	.00400	-.01410	-.02470	.07950	-.02310	.00800	-.00340	-.08790	-.04000	.41675
2.001	-.250	-.01390	-.00980	-.01110	.02060	-.00680	.00060	-.00280	-.08310	-.04550	.42042
2.001	1.760	-.00050	-.00720	-.02220	-.04470	.01330	-.00750	-.00990	-.07760	-.04930	.42469
2.001	3.770	.01270	-.01530	-.03130	-.12300	.04040	-.01770	-.01380	-.07590	-.04420	.40833
2.001	5.770	.02340	-.00700	-.04200	-.20700	.07140	-.03140	-.01480	-.07540	-.03920	.40416
2.001	7.780	.03060	-.00330	-.05070	-.29470	.10310	-.04360	-.01360	-.07470	-.03800	.40745
GRADIENT		-.00019	-.00005	-.00001	-.03428	.01095	-.00441	-.00160	.00139	-.00102	-.00065

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 ORB ON, SRMFR=2.24 NOM

(RBVJ52) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SRMFR = 1.000
 POWER = 1.000 GINGAL = 1.000

RUN NO. 52/0 RVL = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.920	-.50850	.28090	.18270	-.00440	.00000	.00040	.07880	.03900	.00540	.24110
1.550	-5.960	-.36210	.28570	.15890	-.00310	-.00040	.00090	.06910	.01890	.00470	.23720
1.550	-3.950	-.22770	.26880	.05730	.00260	-.00220	.00100	.06450	.00690	.00500	.24960
1.550	-1.930	-.09770	.27950	.00870	.00490	-.00270	.00090	.05940	-.00110	.00500	.24620
1.550	.030	.01140	.28620	-.03240	.00610	-.00340	.00090	.05190	-.00900	.00540	.24270
1.550	2.020	.12690	.28880	-.07400	.00450	-.00320	.00040	.04320	-.01350	.00580	.24100
1.550	4.010	.24170	.28720	-.11310	.00720	-.00460	.00040	.03890	-.01750	.00690	.24280
1.550	6.010	.35150	.28590	-.15000	.00530	-.00510	.00030	.02930	-.02300	.00670	.24530
1.550	8.010	.44490	.28300	-.17820	.00260	-.00430	-.00060	.02260	-.03100	.00810	.24020
GRADIENT		.03856	.00235	-.02132	.00044	-.00027	-.00009	-.00329	-.00308	.00023	-.00095

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SRMFR = .469
 POWER = 1.000 GINGAL = 1.000

ARC 97-710 1A128 01 T1 S2 ORB ON, SRMFR=NOMINAL

(RBVJ53) (26 MAR 74)

RUN NO. 53/0 RVL = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.080	-.52200	.27500	.17390	-.00320	.00000	.00090	.09500	.04350	.00850	.25140
1.550	-6.010	-.37540	.27310	.11950	.00090	-.00220	.00080	.08550	.02360	.00680	.25090
1.550	-4.040	-.24120	.27350	.06760	.00300	-.00220	.00100	.07830	.01250	.00910	.25170
1.550	-2.010	-.10690	.27390	.01580	.00580	-.00320	.00100	.06940	.00640	.00910	.25280
1.550	.000	.00640	.27700	-.02590	.00800	-.00390	.00080	.06160	-.00130	.00940	.25430
1.550	2.020	.11970	.27910	-.06690	.00640	-.00380	.00040	.05450	-.00550	.00920	.25460
1.550	3.950	.23310	.27660	-.10620	.00800	-.00510	.00060	.04720	-.00910	.01140	.25280
1.550	5.930	.34270	.27810	-.14270	.00690	-.00610	.00000	.03920	-.01390	.01130	.25400
1.550	7.950	.43760	.27390	-.17340	.00210	-.00470	-.00010	.03360	-.02080	.01270	.25200
GRADIENT		.05874	.00057	-.02151	.00053	-.00032	-.00007	-.00384	-.00276	.00028	-.00020

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 POWER OFF

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .500
 POWER = .000 GIMBAL = 1.000

RUN NO. 54/ 0 RVL = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAT
1.550	-7.970	-.52960	.28160	.18290	-.00310	.00000	.00080	.10590	.04970	.01040	.25410
1.550	-5.960	-.38080	.28320	.12710	.00000	-.00160	.00060	.09430	.02810	.01010	.25470
1.550	-3.970	-.24370	.28580	.07400	.00260	-.00240	.00110	.08580	.01580	.00980	.25620
1.550	-1.980	-.11370	.28660	.02490	.00800	-.00470	.00130	.07740	.00830	.00980	.25750
1.550	.020	.00170	.28730	-.01910	.00820	-.00470	.00030	.06820	.00000	.00980	.25710
1.550	2.040	.11390	.28770	-.06220	.00800	-.00520	.00070	.06040	-.00390	.01090	.25710
1.550	4.020	.23180	.28570	-.10080	.00830	-.00610	.00040	.05270	-.00780	.01190	.25560
1.550	6.010	.34200	.28580	-.13890	.00990	-.00790	.00060	.04470	-.01230	.01190	.25610
1.550	7.980	.44270	.28280	-.17050	.00800	-.00750	.00030	.03920	-.01990	.01290	.25580
GRADIENT		.05893	.00005	-.02172	.00057	-.00039	-.00010	-.00416	-.00297	.00027	-.00005

ARC 97-710 1A12B Q1 T1 S2 POWER OFF

(RBV54) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .500
 POWER = .000 GIMBAL = 1.000

RUN NO. 55/ 0 RVL = 3.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAT
2.001	-7.560	-.50870	.27810	.17690	-.00110	.00000	.00060	.10720	.02600	.00690	.25580
2.001	-5.550	-.37690	.27170	.13170	.00090	-.00130	.00070	.06260	.01890	.00570	.24870
2.001	-3.540	-.25080	.27100	.08910	.00030	-.00090	.00070	.05230	.01130	.00690	.24760
2.001	-1.530	-.14040	.27090	.05400	.00250	-.00150	.00100	.04140	.00240	.00700	.24720
2.001	.460	-.03440	.26880	.02140	.00260	-.00140	.00100	.02940	-.00760	.00670	.24510
2.001	2.460	.06900	.26730	-.01330	.00130	-.00120	.00070	.02120	-.01660	.00530	.24420
2.001	4.460	.17460	.27050	-.04920	.00100	-.00130	.00070	.01070	-.02470	.00730	.24710
2.001	6.460	.28710	.26890	-.09000	.00100	-.00070	.00050	.00630	-.03250	.00730	.24480
2.001	8.450	.40810	.27360	-.13360	-.00060	-.00030	.00040	.00410	-.03450	.00740	.24930
GRADIENT		.05304	-.00023	-.01720	.00001	-.00003	-.00001	-.00522	-.00455	.00004	-.00001

(RBV55) (26 MAR 74)

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TAGULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S2 ORB ON,SRMPR=NOMINAL

(RBV036) (26 MAR 74)

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OFR = .409 SRMPR = .557
 POWER = 1.000 G1MBAL = 1.000

PARAMETRIC DATA

RUN NO. 56/ 0 RV/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CVR	CAF
2.001	-7.560	-31430	.26030	.17110	.00220	-.00120	.00030	.05970	.02350	.00600	.23140
2.001	-5.810	-37350	.25440	.12350	.00150	-.00140	.00000	.05160	.01550	.00570	.24540
2.001	-3.610	-.25080	.25310	.08140	.00080	-.00260	.00030	.04320	.01000	.00700	.24340
2.001	-1.620	-.14310	.24990	.04790	.00290	-.00140	.00080	.03300	.00140	.00720	.24000
2.001	.450	-.03630	.24820	.01590	.00430	-.00120	.00080	.02210	-.00750	.00690	.23600
2.001	2.440	.06800	.24950	-.01780	.00330	-.00070	.00060	.01420	-.01600	.00730	.23900
2.001	4.430	.17400	.25000	-.05310	.00490	-.00160	.00070	.00550	-.02380	.00760	.24180
2.001	6.420	.28250	.25250	-.09030	.00280	.00000	.00020	.00180	-.03210	.00790	.24020
2.001	8.420	.40130	.25370	-.13380	.00250	.00000	-.00050	-.00010	-.03210	.00830	.24190
GRADIENT		.05266	-.00003	-.01662	.00039	-.00006	.00001	-.00468	-.00722	.00005	-.00021

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 OFR = .409 SRMPR = 1.245
 POWER = 1.000 G1MBAL = 1.000

PARAMETRIC DATA

RUN NO. 57/ 0 RV/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CVR	CAF
2.001	-7.570	-.50800	.25230	.16400	.00000	-.00010	.00030	.03810	.02010	.00070	.24900
2.001	-5.540	-.37040	.24850	.11710	.00210	-.00220	.00050	.02870	.01130	-.00020	.24550
2.001	-3.540	-.24410	.24260	.07350	.00400	-.00260	.00060	.02010	.00260	-.00020	.23910
2.001	-1.540	-.13400	.24490	.04040	.00360	-.00200	.00050	.01440	.00640	-.00050	.24090
2.001	.450	-.03000	.23930	.00860	.00440	-.00250	.00040	.00690	1.01720	-.00020	.23510
2.001	2.450	.07080	.24190	-.02400	.00300	-.00240	.00040	.00130	-.02800	-.00180	.23760
2.001	4.400	.17810	.24190	-.05930	.00170	-.00160	.00010	-.00480	-.03620	-.00230	.23700
2.001	6.450	.28730	.24440	-.09600	.00140	-.00120	-.00050	-.00630	-.04370	-.00360	.23900
2.001	8.420	.40230	.24830	-.13470	-.00060	-.00070	-.00030	-.00790	-.04450	-.00050	.24210
GRADIENT		.05280	-.00022	-.01651	-.00026	.00008	-.00006	-.00317	-.00499	-.00001	-.00036

ARC 97-710 1A128 Q1 T1 S2 ORB ON,SRMPR=2.24XNM

(RBV057) (26 MAR 74)

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TABULATED SOURCE DATA - ARC 97-710 T 1A12B

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ARC 97-710 1A12B O1 T1 S2 ORB ON, SRMR=2.24XNOM

(RBV058) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SRMR = 1.245
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 58/0 RNL = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.230	-.03190	.24440	.00780	.32050	-.11330	.04090	.01340	-.03290	-.04150	.23830
2.001	-6.210	-.02510	.24220	.00380	.23760	-.08490	.03170	.01800	-.03070	-.03830	.23770
2.001	-4.200	-.02500	.23880	.00330	.15040	-.05380	.02080	.01040	-.02660	-.02500	.23460
2.001	-2.190	-.02500	.23610	.00300	.07600	-.02640	.00960	.00180	-.02590	-.01420	.23720
2.001	-1.170	-.03120	.23720	.00970	.00730	-.00330	.00140	.00420	-.02210	-.00530	.23450
2.001	1.830	-.02620	.23810	.00440	-.06090	.02020	-.00760	.00510	-.01660	.00670	.23480
2.001	3.890	-.01310	.24340	-.00600	-.13670	.04640	-.01830	.01110	-.01310	.01980	.23830
2.001	5.860	-.00410	.24360	-.01440	-.21840	.07490	-.03060	.01260	-.01190	.03400	.23950
2.001	7.870	.00160	.24310	-.01920	-.30770	.10490	-.04220	-.01040	-.01050	.04200	.23780
2.001	GRADIENT	.00112	.00041	-.00105	-.03534	.01228	-.00474	-.00248	.00180	.00550	.00025

ARC 97-710 1A12B O1 T1 S2 POWER OFF

(RBV059) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 59/0 RNL = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.280	-.03710	.25740	.01760	.34250	-.12730	.04870	.02300	-.02730	-.02660	.23570
2.001	-6.260	-.03070	.26390	.01390	.24930	-.09280	.03750	.02190	-.02410	-.04420	.24250
2.001	-4.220	-.03020	.26120	.01610	.16290	-.06040	.02500	.02600	-.02100	-.02860	.23950
2.001	-2.210	-.03830	.26150	.02270	.08130	-.02960	.01230	.02670	-.01440	-.01190	.24020
2.001	-1.170	-.03930	.26490	.02370	.00330	.00740	.00090	.02940	-.01070	.00760	.24450
2.001	1.840	-.03750	.26170	.02180	-.07590	.02940	-.01100	.03080	-.00560	.02130	.24240
2.001	3.860	-.02950	.26190	.01430	-.16050	.06280	-.02380	.02970	-.00080	.03420	.23930
2.001	5.890	-.02160	.26030	.00460	-.24820	.09580	-.03780	.02970	.00260	.05430	.23750
2.001	7.920	-.01410	.25720	-.00420	-.34200	.12990	-.05150	.02940	.00730	.07570	.23450
2.001	GRADIENT	.00011	.00008	-.00022	-.03976	.01511	-.00598	.00037	.00234	.00801	.00005

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 ORB ON, SRMPR=NOMINAL

(RBV060) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .409 SRMPR = .557
 POWER = 1.000 GINDAL = 1.000

RUN NO. 60/0 RV/L = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
2.001	-8.270	-.03350	.24920	.01110	.33890	-.12550	.04470	.01990	-.02380	-.04220	.23600
2.001	-6.250	-.02800	.25090	.00750	.25150	-.09410	.03560	.01890	-.02030	-.03900	.23880
2.001	-4.230	-.02680	.24940	.00700	.16180	-.06010	.02360	.02190	-.01650	-.02360	.23780
2.001	-2.210	-.03250	.24720	.01150	.08000	-.02920	.01130	.02000	-.01140	-.00820	.23650
2.001	-1.80	-.03520	.24960	.01390	.00180	.00100	.00070	.02350	-.00780	.00570	.23930
2.001	1.840	-.03510	.24630	.01130	-.07930	.03170	-.01080	.01970	-.00360	.02020	.23590
2.001	3.870	-.02490	.24690	.00440	-.16170	.06290	-.02340	.01340	.00120	.03410	.23640
2.001	5.890	-.01470	.24680	-.00580	-.24990	.09630	-.03730	.00940	.00460	.04950	.23560
2.001	7.920	-.00510	.24610	-.01540	-.34260	.12960	-.02490	.00830	.00790	.05930	.23360
	GRADIENT	.00016	-.00029	-.00027	-.00982	.01516	-.00575	-.00085	.00213	.00710	-.00017

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .433 SRMPR = 1.000
 POWER = 1.000 GINDAL = 1.000

ARC 97-710 1A12B Q1 T1 S2 ORB ON, SRMPR=2.24XNOM

(RBV061) (26 MAR 74)

RUN NO. 61/0 RV/L = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.200	-.02910	.26470	.00210	.36260	-.14290	.05230	.05860	-.01080	-.04910	.24330
1.550	-6.190	-.01670	.26690	-.00650	.26720	-.10750	.04090	.05620	-.00970	-.04090	.24630
1.550	-4.170	-.00270	.26940	-.01750	.17660	-.07090	.02760	.05320	-.00720	-.02080	.25010
1.550	-2.150	.00670	.26950	-.02650	.09250	-.03600	.01450	.05010	-.00610	-.00790	.25080
1.550	-1.40	.01370	.27310	-.03210	.01020	-.00290	.00060	.05330	-.00190	.00660	.25430
1.550	1.880	.01890	.26900	-.03530	-.07800	.03110	-.01300	.04690	.00800	.02120	.24960
1.550	3.900	.01450	.26520	-.03170	-.16580	.06790	-.02790	.02730	.01580	.03430	.24560
1.550	5.930	.01700	.26510	-.03480	1.23700	.10460	-.04250	.01670	.02350	.05180	.24600
1.550	7.950	.02200	.26000	-.04070	1.35360	.14070	-.05690	.00910	.02690	.06150	.24520
	GRADIENT	.00231	-.00044	-.00184	-.04240	.01709	-.00607	-.00273	.00288	.04001	-.00051

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 ORB ON SRMPR-NOMINAL

(RBV062) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SRMPR = .469
 POWER = 1.000 GIMBAL = 1.000

RUN NO. 62/0 RN/L = 3.74 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.250	-.02180	.26690	-.00450	.37380	-.14880	.05710	.06450	-.00860	-.05160	.24100
1.550	-6.220	-.01150	.27220	-.01160	.27640	-.11200	.04450	.06190	-.00690	-.04380	.24730
1.550	-4.190	-.00070	.27560	-.01910	.18100	-.07330	.02370	.05970	-.00400	-.02240	.25150
1.550	-2.170	.00390	.27540	-.02330	.09420	-.03740	.01510	.05880	-.00240	-.00750	.25150
1.550	-.140	.00610	.27970	-.02580	.00780	-.00230	.00150	.06210	.00180	.00680	.25600
1.550	1.900	.00750	.27520	-.02720	-.08020	.03240	-.01260	.06010	.01010	.02650	.25120
1.550	3.940	.00270	.27130	-.02350	-.17110	.07040	-.02780	.04260	.01980	.04110	.24660
1.550	5.990	.00280	.27560	-.01820	-.27170	.11210	-.04400	.04750	.02870	.06610	.24650
1.550	7.980	.00990	.26000	-.03160	-.36490	.14690	-.05790	.02260	.03410	.07240	.23480
GRADIENT		.00051	-.00043	-.00062	-.04322	.01757	-.00702	-.00162	.00296	.00792	-.00050

ARC 97-710 1A12B Q1 T1 S2 POWER OFF

(RBV063) (26 MAR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

RUN NO. 63/0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-8.250	-.01730	.27640	-.00240	.37640	-.15100	.05870	.06780	-.00710	-.05830	.24730
1.550	-6.220	-.00960	.28070	-.00770	.27760	-.11340	.04520	.06590	-.00360	-.04640	.25200
1.550	-4.190	-.00530	.28380	-.01100	.18230	-.07420	.03020	.06500	-.00310	-.02450	.25560
1.550	-2.160	-.00240	.28600	-.01430	.09580	-.03920	.01510	.06470	-.00150	-.00630	.25710
1.550	-.120	.00570	.28810	-.02050	.00670	-.00270	.00100	.06410	.00280	.01000	.25910
1.550	1.890	.00380	.28460	-.01920	-.08100	.03250	-.01250	.06740	.01060	.02870	.25510
1.550	3.920	-.00060	.28050	-.01500	-.17260	.07090	-.02830	.05610	.01900	.04500	.25100
1.550	5.960	.00160	.27460	-.01790	-.26870	.11020	-.04440	.04730	.02350	.06610	.24520
1.550	7.980	.00820	.26540	-.02310	-.36670	.14730	-.05920	.03840	.03350	.08110	.23630
GRADIENT		.00077	-.00039	-.00069	-.04374	.01785	-.00713	-.00074	.00266	.00371	-.00059

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 CRB ON, SRMPR=2.24 INCH

(R8V328) (05 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CFR = .433 SRMPR = 1.000
 POWER = 1.000 G1*8AL = 1.000

RUN NO. 28/ 0 RNVL = 2.63 GRADIENT INTERVAL = -5.00/ 5.00

WCH	ALPHA	CN	CA	CLM	CY	CYN	CBL	CHEI	CHEO	CHR	CAF
1.550	-7.990	-.52410	.30580	.17140	-.020400	-.00170	.00050	.07800	.03160	.00210	.24911
1.550	-5.980	-.37680	.30880	.11870	.02210	-.00250	.00060	.06940	.00980	.00150	.24893
1.550	-3.970	-.23410	.31200	.06280	.02390	-.00350	.00100	.06430	-.00390	.00110	.25340
1.550	-2.020	-.09910	.31480	.00960	.02720	-.00360	.00090	.06010	-.01170	.00040	.25511
1.550	-.040	.01510	.31370	-.03690	.02930	-.00480	.00090	.05110	-.02000	.00040	.25757
1.550	1.950	.13140	.31360	-.08090	.01010	-.00500	.00060	.04450	-.02420	.00170	.25732
1.550	4.030	.25180	.30880	-.12640	.02700	-.00430	.00030	.03600	-.02860	.00250	.25741
1.550	6.000	.36290	.30890	-.16570	.02770	-.00310	.00000	.02750	-.03460	.00230	.26040
1.550	7.990	.46110	.29680	-.19790	.02790	-.00330	-.00060	.02130	-.04240	.00330	.25757
	GRADIENT	.06019	-.00039	-.02347	.02045	-.00015	-.00009	-.00362	-.00309	.00021	.00051

APPENDIX B

TABULATED SOURCE DATA - PRESSURE

Plotted data listings are available on request
from Data Management Services.

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 1

ARC 97-710 1A12B ON T1 S1 (TOP WING) 11

(REVISED) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0193 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.550 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2542 .3237 .3643
 .250 -.0155 .0022
 .362 .0332
 .400
 .419 -.0954
 .550 -.0569
 .600 -.1226 -.1349
 .697 -.1287
 .700
 .725 -.1412
 .750 -.1630
 .806 -.1753
 .850
 .900 -.1394
 .920 .0050
 .951 -.1241
 .966 .0271
 .062
 -.0751

MACH (1) = 2.000 ALPHA (2) = -5.520 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2012 .2538 .3244
 .250 -.0601 .0349
 .362 -.0022
 .400
 .419 -.1275
 .550 -.0807
 .600 -.1471 -.1599
 .697 -.1624
 .725 -.1846
 .750 -.1649
 .806 -.1944
 .850 -.0367
 -.1643

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 2

ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

(RBVTD1)

MACH (1) = 2.000 ALPHA (2) = -5.520

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 -.0665 -.1560

.950 -.0749

.951 .0722

.966 -.0637

MACH (1) = 2.000 ALPHA (3) = -4.570 RNL = 3.518 PTO = 2122.500 PO = 271.100 YTO = 108.700

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1769 .2275 .3034

.250 -.0870 -.0527

.362 -.0162

.400 -.1284

.419 -.1075

.550 -.1622 -.1719

.620 -.1743

.697 -.0167

.700 -.1952

.725 -.1744

.750 -.2057

.806 -.0540

.830 -.1760

.900 -.0786 -.1704

.950 -.0932

.951 .0546

.966 -.0662

MACH (1) = 2.000 ALPHA (4) = -3.570 RNL = 3.518 PTO = 2122.500 PO = 271.100 YTO = 108.700

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1475 .1997 .2877

.250 -.1086 -.0670

.362 -.0353

.400 -.1366

.419 -.1246

.550 -.1749 -.1835

.620 -.1861

.697 -.0437

ARC 97-710 1A12B OF 11 SL (TOP WING) 11

(REVISED)

MACH (1) = 2.000 ALPHA (6) = .443 RNL = 3.518 PTO = 2122.500 PO = 271.100 TPO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0673	.1623		.2543
.250			-.1763		-.1129	
.362	-.0674			-.2057		
.400						
.419		-.1913		-.2075	-.2366	
.550						-.2190
.600						
.697	-.1349			-.2530		
.700						
.725		-.2069				
.730					-.2580	
.806		-.1146		-.2283		
.850						-.2083
.900			.0931		-.1269	
.950						
.951		-.0065				
.966	-.0646					

MACH (1) = 2.000 ALPHA (7) = 2.470 RNL = 3.518 PTO = 2122.500 PO = 271.100 TPO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0663	.1446		.2285
.250			-.2126		-.1281	
.362	-.0826			-.2138		
.400						
.419		-.1748		-.2359	-.2564	
.550						-.2285
.600						
.697	-.1426			-.2768		
.700						
.725		-.2225				
.750					-.2728	
.806		-.1451		-.2658		
.850			-.1291			-.2143
.900					-.1316	
.950						
.951		-.0293				
.966	-.0406					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 5

ARC 97-710 1A12B CI T1 S1 (TOP WING) 11 (REVTD1)

MACH (1) = 2.000 ALPHA (8) = 4.460 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0439	.1176	.1930
.290	-.2224	-.1530	
.382	-.0949		
.400		-.2366	
.419	-.2058		
.530	-.2698	-.2667	
.600			-.2430
.697	-.1611		
.700		1.2877	
.725	-.2375		
.750			-.2826
.806	-.1700		
.850		-.2515	
.900	-.1689		-.2272
.950		-.1450	
.951	-.0786		
.966	-.0260		

MACH (1) = 2.000 ALPHA (9) = 6.450 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0373	.0971	.1638
.290	-.2315	-.1692	
.382	-.1134		
.400		-.2356	
.419	-.2293	-.2761	
.530	-.2871		-.2536
.600			
.697	-.1826		
.700		-.2954	
.725	-.2667		
.750			-.2699
.806	-.1938		
.850		-.2765	
.900	-.1982		-.2363
.950		-.1686	
.951	1.1145		
.966	-.0029		

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B

ARC 97-710 1A12B OI T1 S1 (TOP MING) 11 (RBVTD1)
 MAIN (1) = 2.000 ALPHA (10) = 8.460 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0268	.0780	.1419
.250	-.2404	-.1874	
.362	-.1203	-.2596	
.400		-.2463	
.419		-.3002	-.2641
.550			-.2623
.600	-.2033	-.3027	
.697		-.2807	-.2965
.700			
.725			
.750	-.2179		
.806		-.2782	
.850		-.2247	-.2462
.900		-.1872	
.950	-.1362		
.951			
.956	.0058		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 7

ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBVTJ2) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = 0.0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SERFR = .469
 POWER = 1.000 GIMBAL = 1.500

MACH (1) = 2.000 ALPHA (1) = -7.590 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2568	.3300	.0031	.3617
.250			-.0299			
.362	.0258					
.400				-.1150		
.419		-.0630				
.550			-.1283	-.1338		
.600						-.1332
.697	-.0598					
.700				-.1620		
.725			-.1427			
.750					1.1707	
.856		-.0004		-.1396		
.890			.0299			-.1273
.900				-.0262		
.950						
.951			.1034			
.966						

MACH (1) = 2.000 ALPHA (2) = -5.620 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2047	.2631		.3283
.250			-.0677		-.0310	
.362	.0009					
.400				-.1373		
.419		-.0908				
.550			-.1517	-.1563		
.600						-.1609
.697	-.0831					
.700				-.1825		
.725			-.1631			
.750						-.1936
.856		-.0385				
.890						-.1631

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 8

ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

(RBVTD2)

MACH (1) = 2.000 ALPHA (2) = -5.620

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.900	-.0122	-.0743	-.1331		
.950					
.951	.0700				
.966	.0631				

MACH (1) = 2.000 ALPHA (3) = -3.610 RNL = 3.504 PTO = 2155.222 FO = 275.222 TTD = 116.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.900	.1542	.2066	.2910		
.950	-.1070	-.0656			
.962	-.0311				
.400		-.1525			
.419	-.1179				
.590	-.1733	-.1801	-.1845		
.600					
.697	-.1066				
.700		-.2058			
.725		-.1830	-.2178		
.750					
.806	-.0704				
.850		-.1881			
.900	-.0483	-.1106	-.1819		
.951	.0388				
.966	.0352				

MACH (1) = 2.000 ALPHA (4) = -1.590 RNL = 3.504 PTO = 2155.222 FO = 275.222 TTD = 116.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.900	.1100	.1602	.2729		
.950	-.1434	-.1004			
.962	-.0901				
.400		-.1953			
.419	-.1364				
.590	-.1890	-.2014			
.600			-.2025		
.697	-.1193				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 3

ARC 97-710 1A12B OL T1 S1 (TOP WING) 11

(EBVT22)

MACH (1) = 2.000 ALPHA (4) = -1.590

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.2211
.725	-.1901
.750	-.2375
.806	-.0826
.850	-.1997
.900	-.0665
.950	-.1933
.951	-.1073
.966	.0238
.966	.0216

MACH (1) = 2.000 ALPHA (5) = .410 RNL = 3.504 PTO = 2155.222 PO = 275.222 TPO = 116.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0690	.1627	.2549
.250	-.1775	-.1119	
.352	-.0657		
.400		-.2198	
.419	-.1564		
.550		-.2347	
.600	-.2075		-.2172
.697	-.1328		
.700		-.2510	
.725			
.750	-.2051		
.806		-.2577	
.850	-.1114		
.900		-.2287	
.920	-.0929		-.2096
.950		-.1253	
.951	-.0074		
.966	-.0016		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOP WING) 11

(REV T02)

MACH (1) = 2.000 ALPHA (6) = 2.420 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050	.0684	.1468	.2282
.250	-.2129	-.1302	
.362	-.0798		
.400		-.2385	
.419	-.1826	-.2347	-.2568
.550			
.600			-.2300
.697	-.1511		
.700		-.2777	
.725		-.2210	
.750			-.2723
.806	-.1421		
.850		-.2649	
.900		-.1280	-.2156
.950		-.1326	
.951		-.0306	
.966	-.0182		

MACH (1) = 2.000 ALPHA (7) = 4.480 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050	.0451	.1191	.1927
.250	-.2257	-.1551	
.362	-.0942		
.400		-.2485	
.419	-.2094	-.2678	
.550			
.600			-.2434
.597	-.1701		
.700		-.2879	
.725		-.2361	
.750			-.2835
.806	-.1717		
.850		-.2509	
.900		-.1665	-.2272
.950		-.1453	
.951		-.0793	
.966	-.0270		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 11

ARC 97-710 1A12B OF T1 S1 (TOF WING) 11

(BBVT02)

MACH (1) = 2.000 ALPHA (8) = 6.400 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0398	.0969			.1650
.250	-.2328		-.1718		
.362	-.1106		-.2605		
.400					
.419					
.500	.2291		-.2903	-.2781	
.600					-.2534
.697	-.1897				
.700			-.2970		
.725		-.2674			
.750				-.2918	
.806	-.1927				
.850		-.2769			
.900	-.1993			-.2379	
.950		-.1688			
.951	-.1142				
.966	-.0022				

MACH (1) = 2.000 ALPHA (9) = 8.380

RNL = 3.504

PTO = 2155.222

PO =

= 275.222

TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0301	.0804			.1414
.250	-.2417		-.1866		
.362	-.1176				
.400		-.2654			
.419	-.2902		-.2830		
.500		-.3028			
.600					-.2598
.697	-.2058				
.700		-.3016			
.725	-.2798				
.750			-.2965		
.806	-.2163				
.850		-.2775			-.2442
.900	-.2223		-.1872		
.950					
.951	-.1362				
.966	.0063				

(RBVT03) (04 APR 74)

ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
POWER = .000 GINGAL = 1.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
LREF = 1328.0000 IN. YMRP = .0000 IN.
BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
SCALE = .0190 SCALE

MACH (1) = 2.000 BETA (1) = -8.280 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			-.0277	.0769	.1448	
.250			-.1321		-.1338	
.362	-.0582					
.400				-.2009		
.419		-.1344				
.550			-.1743	-.2046		
.600					-.2258	
.697	-.1368					
.700				-.2145		
.725			-.1827		-.2421	
.806		-.0676				
.850			-.1478			
.900			-.0552		-.2117	
.950				-.0826		
.951		-.0296				
.956	-.0237					

MACH (1) = 2.000 BETA (2) = -6.250 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0101	.0892	.1611	
.250			-.1381		-.1273	
.362	-.0480					
.400				-.2062		
.419		-.1323				
.550			-.1784	-.2094		
.600					-.2198	
.697	-.1283					
.700				-.2234		
.725			-.1775			
.750					-.2451	
.806		-.0817				
.850					-.1740	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 21

(RBTJ03)

MACH (1) = 2.000 BETA (2) = -6.250

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 -.5709 -.2077
 .950 -.0882
 .951 -.0263
 .966 -.0254

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTD = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0215 .1041 .1943
 .250 -.1481 -.1274
 .362 -.0396 -.2048
 .400 .419 -.1453
 .550 -.1958 -.2138
 .600 -.2190
 .697 -.1278
 .700 -.2293
 .725 -.1921
 .750 -.2496
 .806 -.1063
 .850 -.2096
 .900 -.0805 -.2039
 .950 -.1020
 .951 -.0224
 .966 -.0175

MACH (1) = 2.000 BETA (4) = -2.200 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTD = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0991 .1186 .2229
 .250 -.1663 -.1154
 .362 -.0481
 .400 .419 -.2083
 .550 -.1430
 .600 -.1946 -.2276
 .697 -.2205
 .951 -.1294

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1 (TOP WING) 21

(RBVTD3)

MACH (1) = 2.000 BETA (4) = -2.200

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2353

.725

-.1923

.750

-.2530

.806

-.0984

.850

-.2132

.900

-.2061

.950

-.0895

.951

-.1073

.966

-.0126

MACH (1) = 2.000 BETA (5) = -.180 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.0758

.250

.1708

.362

-.1766

.400

-.1099

.419

-.2107

.550

-.1523

.600

-.2048

.697

-.2343

.700

-.1322

.725

-.2527

.750

-.2037

.806

-.1096

.850

-.2580

.900

-.2278

.950

-.0883

.951

-.1196

.966

-.2035

.0032

-.2182

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF T1 S1 (TOP WING) 21

(RBT03)

MACH (1) = 2.000 BETA (6) = 1.840 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1284	.2059		.2933
.250			-.1757		-.0930	
.382	-.0466					
.400				-.2152		
.419		-.1623				
.550			-.2232	-.2348		
.600						-.2053
.697	-.1296					
.700				-.2624		
.725			-.2143			
.750					-.2543	
.806		-.1066				
.850				-.2325		
.900			-.0983			-.1932
.950				-.1173		
.951		.0142				
.966						

MACH (1) = 2.000 BETA (7) = 3.860 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1543	.2371		.3246
.250			-.1683		-.0784	
.382	-.0253					
.400				-.2056		
.419		-.1796				
.550			-.2366	-.2277		
.600						-.1978
.697	-.1362					
.700				-.2543		
.725			-.2264			
.750					-.2480	
.806		-.1174				
.850				-.2510		
.900			-.0990			-.1820
.950				-.1282		
.951		-.0192				
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TCF WING) 21

(RBVT03)

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1940	.2652		.3596
.250			-.1564		-.0642	
.362	.0010					
.400				-.2012		
.419						
.550		-.1750	-.2392	-.2197		-.1879
.600						
.697		-.1274				
.700				-.2474		
.725			-.2321		-.2421	
.750						
.806		-.1125		-.2463		-.1680
.820			-.0986			
.900				-.1778		
.950		-.0267				
.951						
.966		.0942				

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.2145	.2928		.3876
.250			-.1477		-.0321	
.362	.0276					
.400				-.1939		
.419						
.550		-.1694	-.2391	-.2113		-.1804
.600						
.697		-.1165				
.700			-.2262	-.2425		
.725					-.2344	
.750						
.806		-.1061				
.820			-.2386			-.1566
.900			-.0876			
.950					1.1791	
.951		-.0243				
.966		.1285				

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EXTRACTED SOURCE DATA - ARC 97-719 - 1A128

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ARC 97-715 1A12B OF T1 S1 (TOP WING) 21

(RBVTJ4) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 59.FT. V47P = 953.0000 IN.
LREF = 1328.0000 IN. V47P = .0000 IN.
BREF = 1328.0000 IN. Z47P = 400.0000 IN.
SCALE = .5195 SCALE

PARAMETRIC DATA

ALPHA	=	.000	RUDDER	=	.000
OFFR	=	.433	SEMPR	=	.469
POWER	=	1.000	GINBAL	=	1.000

MACH (1) =	2.5572	BETA (1) =	-8.289	RNL	=	3.496	PTO	=	2148.444	PO	=	274.444	TTO	=	116.222
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SECTION (I) WINE

DEPENDENT VARIABLE CP

ETA	.2995	.4275	.5345	.6735	.7855	.8875
-----	-------	-------	-------	-------	-------	-------

25

.050	-.0407	.0806	.1391
.290	-.1342		
.362		-.1287	
.400	-.0648		
.419		-.1990	
.590	-.1399		
.600	-.1778	-.2044	
.697			-.2234
.700	-.1416		
.725		-.2147	
.750	-.1850		
.806		-.2408	
.830	-.0724		
.900		-.1548	
.950	-.0553		-.2078
.951		-.0779	
.966	-.0331		
			-.0278

MACH (1) =	2.000	BETA (2) =	-6.260	RNL	3.496	P10	= 2148.444	P0	= 274.444	T10	= 116.222
SECTION 1 - 1											

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
-----	-------	-------	-------	-------	-------	-------

7

.090	.0030	.0936	.1395
.290	-.1427		
.362	-.0932		-.1275
.400		-.2140	
.419	-.1364		
.550	-.1634	-.2104	
.600			-.2200
.697	-.1361		
.700		-.2249	
.725			
.750	-.1627		
.806			-.2458
.850	-.0667		
		-.1790	

ARC 97-710 1A12B OI T1 S1 (TOP WING) 21

(RBVTD4)

MACH (1) = 2.000 BETA (2) = -6.260

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .950
 .950
 .951
 .966
 -.0734
 -.0907
 -.0305
 -.0296
 -.2094

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050
 .250
 .362
 .400
 .419
 .590
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 .0307
 -.1515
 -.0461
 -.1502
 -.2027
 -.2135
 -.2135
 -.1390
 -.1942
 -.1099
 -.0829
 -.0276
 -.0215
 .1058
 -.1219
 -.2135
 -.2135
 -.2186
 -.2298
 -.2484
 -.2102
 -.0995

MACH (1) = 2.000 BETA (4) = -2.210 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .0571
 -.1706
 -.0908
 -.1437
 -.1996
 -.2234
 -.2222
 -.1176
 -.2193
 -.2218

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(R8VTD4)

MACH (1) = 2.000 BETA (4) = -2.210

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.700	-2337
.725	-1924
.750	-2517
.806	
.850	-2120
.900	-2068
.950	
.951	-1071
.966	-0138
	-0127

MACH (1) = 2.000 BETA (5) = -1.180

RNL = 3.496 PTO = 2148.444 PO = 274.444 TPO = 116.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090	.0759	.1688	.2587
.250			
.362	-01770	-1100	
.400			
.419		-2186	
.550	-1556	-2326	-2158
.600			
.697	-1332		
.700		12519	
.725	-2022	-2575	
.750			
.806	-1116	-2265	-2023
.850			
.900	-0879	-1216	
.950			
.951	-0008		
.966			

AIRC 97-710 1A12B 01 11 51 (TGF WING) 21

(RBVT54)

WACH (1) =	2.000	BETA (6) =	1.840	RNL	=	3.496	FTO	=	2148.444	PO	=	274.444	TTO	=	116.222
--------------	-------	--------------	-------	-----	---	-------	-----	---	----------	----	---	---------	-----	---	---------

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4275	.5340	.6750	.7800	.8870
X/C						
.350			.1289	.2067		.2947
.250			-.1678		-.0951	
.362	-.0490					
.470		-.1657		-.2189		
.550			-.2272	-.2341		
.600						-.2080
.697	-.1311			-.2631		
.700			-.2135			
.725					-.2551	
.750		-.1140				
.858						
.850				-.2546		
.900			-.0983			-.1938
.950				-.1156		
.951		.0126				
.966	.0282					

WACH (1) =	2.000	BETA (7) =	3.870	RNL	=	3.496	PTO	=	2148.444	PO	=	274.444	YTO	=	115.222
--------------	-------	--------------	-------	-----	---	-------	-----	---	----------	----	---	---------	-----	---	---------

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
%C						
.050			.1575	.2589		.3270
.250			-.1685		-.0789	
.362	-.0220					
.400				-.2087		
.419		-.1782				
.550			-.2390	-.2274		
.600						-.1977
.697	-.1358					
.700				-.2560		
.725			-.2279			
.750					-.2495	
.806		-.1164				
.890				-.2521		
.900			-.0997			-.1826
.950				-.1253		
.951		-.0205				
.966	.0647					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 21

(RBYT04)

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 .1624 .2678 .3570
 .250 -.1606 -.0648
 .362 -.0019 -.2031
 .400 -.1829 -.2447 -.2196
 .419 -.1313
 .500 -.2321 -.2486
 .600 -.1201 -.2464
 .697 -.0981 -.1696
 .700 -.0348
 .725 -.2421
 .806 -.1701
 .850
 .900
 .950
 .951
 .966

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 .2155 .2943 .3903
 .250 -.1491 -.0523
 .362 .0339 -.1696
 .400 -.1690 -.2421 -.2124
 .419 -.1797
 .500
 .600
 .697 -.1148
 .700
 .725 -.2268
 .750 -.2438
 .806 -.1056
 .850 -.2365
 .900 -.2395
 .950 -.0071
 .951 -.1753
 .966 -.0256
 .1310

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 Y1 S1 (TOP WING) 21

(RBVTJ5) (04 APR 74)

REFERENCE DATA

XREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BELF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 SPMR = .469 FOMER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 BETA (1) = -8.290 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTD = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 2.000 BETA (2) = -6.250

RNL =

3.475

PTO =

2127.300

PO =

271.600

TTD =

114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						

ARC 97-710 1A12B OR T1 S1 (TOP WING) 21

(88VT05)

MACH (1) = 2.000 BETA (2) = -6.250

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.990 -.0705 -.2083
 .950 -.0901
 .951 -.0321
 .966 -.0315

MACH (1) = 2.000 BETA (3) = -4.250 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.990 .0226 .1026 .1927
 .250 -.1490 -.1223
 .362 -.0447
 .400 -.2109
 .419 -.1487
 .550 -.1990 -.2113
 .600 -.2188
 .697 -.1325
 .700 -.2274
 .725 -.1919
 .750 -.2473
 .806 -.1087
 .850 -.2085
 .900 -.0817 -.2054
 .950 -.1013
 .951 -.0257
 .966 -.0205

MACH (1) = 2.000 BETA (4) = -2.200 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.990 .0571 .1049 .2230
 .250 -.1724 -.1218
 .362 -.0522
 .400 -.2141
 .419 -.1433
 .550 -.1986 -.2281
 .600 -.2220
 .697 -.1328

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1 (TOP WING) 21

(RBVTJ05)

MACH (1) = 2.000 BETA (4) = -2.200

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2371

.725

-.1972

.750

-.2357

.806

-.1017

.850

-.2159

.900

-.0925

.950

-.1119

.991

-.0157

.966

-.0141

-.2069

MACH (1) = 2.000 BETA (5) = -.180 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTD = 114.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.0676

.2571

.250

-.1743

.362

-.0756

.400

-.2270

.419

-.1672

.550

-.2067

.600

-.2333

.697

-.1478

.700

-.2516

.725

-.2038

.750

-.2564

.806

-.1252

.850

-.2257

.900

-.0883

.950

-.1252

.991

-.0159

.966

-.0147

-.2055

-.2184

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 21

(RBVTJ5)

MACH (1) = 2.000 BETA (6) = 1.845 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTD = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1185 .2029 .2894
 .250 -.1820 -.0930
 .362 -.0592 -.2203
 .400 .419 -.1728 -.2284 -.2361
 .550 .600 .697 -.1379 -.2632
 .700 .725 .750 .806 .850
 .900 .950 .951 .966 .0223
 -.1176 -.2146 -.2545
 -.2527 -.1954
 -.1224
 -.2072
 -.2545
 -.1954
 -.1224
 .0066

MACH (1) = 2.000 BETA (7) = 3.860 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTD = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1539 .2322 .3246
 .250 -.1675 -.0795
 .362 -.0267 -.2133
 .400 .419 -.1759 -.2356 -.2286
 .550 .600 .697 -.1362 -.2563
 .700 .725 .750 .806 .850
 .900 .950 .951 .966 .0377
 -.1164 -.2290 -.2498
 -.2328 -.1836
 -.1034 -.1354
 -.0215

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SL (TOP WING) 21

(RBVTDS)

MACH (1) = 2.000 BETA (0) = 5.890 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1910 .2610 .3553
 .250 .71600 -.0669
 .362 -.0371
 .400
 .419 -.1821
 .550 -.2537 -.2219
 .600
 .697 -.1364
 .705
 .725
 .750
 .806
 .830
 .900
 .950
 .951
 .966

-1.907

-2.497

-2.339

-2.444

-1.212

-2.482

-1.018

-1.882

-0.361

.0844

-1.729

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2193 .2912 .3875
 .250
 .362 .0258
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966

-0.521

-1.941

-2.377

-2.119

-2.278

-2.423

-2.354

-2.278

-2.406

-0.883

-1.892

-1.567

-1.818

-1.818

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*ABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 11

(RBVT06) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SA.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

BETA = .000 RUDER = .000
 SRMRP = .469 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.550 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2614 .3242 .3632
 .250 -.0317 .0022
 .362 .0303
 .400 -.1432
 .419 -.0686
 .550 -.1326 -.1321
 .600 -.1309
 .697 -.0567
 .700 -.1617
 .725 -.1410
 .750 -.1732
 .806 -.0007
 .850 -.1394
 .900 .0303
 .950 -.0284
 .951 .1048
 .966 .0875

MACH (1) = 2.000 ALPHA (2) = -5.570 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2088 .2610 .3283
 .250 -.0698 -.0322
 .362 .0029
 .400 -.1567
 .419 -.0957
 .550 -.1557 -.1551
 .600 -.1599
 .697 -.0842
 .700 -.1631
 .725 -.1621
 .750 -.1934
 .806 -.0399
 .850 -.1631

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 Y1 S1 (TOP WING) 11

(RBVT06)

MACH (1) = 2.000 ALPHA (2) = -5.570

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
 .900
 .931
 .966

-.0116
 -.0755
 .0719
 .0588

-.1543

MACH (1) = 2.000 ALPHA (3) = -3.540 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .250
 .362
 .420
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966

.1567 .2074
 -.1053
 -.0264
 -.1219
 -.1755
 -.1801
 -.1067
 -.1821
 -.0685
 -.0469
 -.0407
 .0365

.2912
 -.0636
 -.1727
 -.1848
 -.2166
 -.1872
 -.1092
 -.1811

MACH (1) = 2.000 ALPHA (4) = -1.530 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .250
 .362
 .400
 .419
 .550
 .600
 .697

.1071 .1578
 -.1510
 -.0519
 -.1424
 -.1938
 -.2035
 -.2041

.2744
 -.1036
 -.1954
 -.2041

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TABLED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(RBVTD6)

MACH (1) = 2.000 ALPHA (4) = -1.530

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2222

.725 -.1904

.750 -.2470

.806 -.0874

.850 -.2029

.900 -.0684

.950 -.1104

.951 .0178

.966 .0183

MACH (1) = 2.000 ALPHA (5) = .460 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTD = 115.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0735

.250 .1641

.362 -.1773

.400 -.1114

.419 -.2288

.550 -.1576

.600 -.2077

.697 -.2356

.700 -.2197

.725 -.1351

.750 -.2514

.806 -.2055

.850 -.2571

.900 -.1142

.950 -.2275

.951 -.0915

.966 -.1279

.966 -.2106

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11 (RBVTD6)

MACH (1) = 2.000 ALPHA (6) = 2.460 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTD = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.590	.0707	.1457	.2324
.250	-.2103	-.1279	
.362	-.0759		
.400		-.2363	
.419	-.1781		
.550		-.2317	-.2532
.600			-.2286
.697	-.1518		
.700		-.2756	
.725		-.2198	
.750			-.2720
.806	-.1422		
.850		-.2637	
.900		-.1244	-.2133
.950			-.1312
.951		-.0287	
.966	-.0173		

MACH (1) = 2.000 ALPHA (7) = 4.480 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTD = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0327	.1193	.1957
.250	-.2201	-.1515	
.362	-.0896		
.400		-.2354	
.419	-.2009	-.2650	
.550			1.2415
.600	-.1665		
.697		-.2858	
.700		-.2341	
.725			-.2809
.750			
.856	-.1667		
.850		-.2505	
.900		-.1664	-.2241
.950		-.1445	
.951			
.966	-.0720		
	-.0235		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(R8VT06)

MACH (1) = 2.000 ALPHA (8) = 6.450 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0429	.0966		.1646
.250			-.2292		-.1717	
.362	-.1076					
.400				-.2621		
.419		-.2285				
.550			-.2879	-.2763		
.600						-.2549
.697	-.1902					
.700				-.2956		
.725			-.2653			-.2904
.750		-.1897				
.806						
.850			-.1976	-.2762		-.2374
.900				-.1678		
.950						
.951		-.1144				
.966	-.0027					

MACH (1) = 2.000 ALPHA (9) = 8.480 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0341	.0753		.1375
.250			-.2424		-.1861	
.362	-.1325					
.400				-.2690		
.419						
.550		-.2622	-.3037	-.2837		-.2658
.600						
.697	-.2222					
.700				-.3024		
.725		-.2807				-.2970
.750						
.806	-.2320					
.850			-.2794			-.2501
.900			-.2239			
.950						-.1878
.951		-.1504				
.966	-.0066					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 Y1 S1 (TOP WING) 11

(RBVTD7) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.590 RNL = 3.480 PTO = 2126.778 PO = 272.000 TTD = 114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2682 .3308 .3623
 .250 -.0297 .0055
 .362 .0271
 .400
 .419 -.0708 -.1401
 .550 -.1317 -.1326
 .600
 .697 -.0605 -.1313
 .700
 .725 -.1399 -.1614
 .750
 .806 -.0040 -.1713
 .850 -.1382
 .900 .0305 -.1256
 .950 -.0250
 .951 .0993
 .966 .0843

MACH (1) = 2.000 ALPHA (2) = -5.610

RNL =

3.480

PTO =

2126.778

PO =

272.000

TTD =

114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2213 .2599 .3320
 .250 -.0656 -.0334
 .362 .0075
 .400
 .419 -.0910 -.1628
 .550 -.1514 -.1562
 .600
 .697 -.0795 -.1595
 .700
 .725 -.1633 -.1835
 .750 -.1633
 .806 -.0371 -.1930
 .850 -.1634

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SL (TOP WING) 11

(RBVTD7)

MACH (1) = 2.000 ALPHA (2) = -5.610

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.0109	-.0768	-.1536
.950			
.951	.0714		
.966	.0618		

MACH (1) = 2.000 ALPHA (3) = -3.630 RNL = 3.480 PTO = 2126.778 PO = 272.000 TTO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1746	.2062	.2933
.250	-.1011	-.0642	
.362	-.0238		
.400		-.1839	
.419	-.1228		
.550		-.1717	-.1848
.600			
.697	-.1049		
.700		-.2044	
.725		-.1808	
.750			-.2159
.806	-.0637		
.850		-.1862	
.900	-.0468		-.1808
.950		-.1086	
.951	.0459		
.966	.0330		

MACH (1) = 2.000 ALPHA (4) = -1.590 RNL = 3.480 PTO = 2126.778 PO = 272.000 TTO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1261	.1574	.2745
.250	-.1467	-.1021	
.362	-.0525		
.400		-.2058	
.419	-.1433		
.550		-.1941	-.2033
.600			-.2031
.697	-.1242		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

(R9V707)

MACH (1) = 2.000 ALPHA (4) = -1.590

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2226
 .725 -.1898
 .750 -.2385
 .806 -.0890
 .850 -.2011
 .900 -.0672
 .950 -.1099
 .951 .0239
 .966 .0171

-.1947

MACH (1) = 2.000 ALPHA (5) = .390

RNL = 3.480

FTO = 2126.778

PO = 272.000

TTO = 114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0862 .1630 .2576
 .250 -.1703 -.1107
 .362 -.0762
 .400 -.2278
 .419 -.1909
 .550 -.2060 -.2345
 .600 -.2165
 .697 -.1338
 .700 -.2499
 .725 -.2048
 .750 -.2568
 .806 -.1062
 .850 -.2269
 .900 -.0929
 .950 -.1264
 .951 -.0028
 .966 .0002



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TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 35

ARC 97-710 1A129 OL T1 S1 (TOP MING) 11

(RBVTU7)

MACH (1) = 2.000 ALPHA (6) = 2.400 RNL = 3.480 PTO = 2126.778 PO = 272.000 TIO = 114.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0817 .1443 .2293
 .250 .2139 -.1305
 .362 -.0810
 .400 -.2445
 .419 -.1781
 .550 -.2350 -.2567
 .600
 .697 -.1535
 .700
 .725
 .750
 .806 -.1406
 .830
 .900 -.1271
 .950
 .951
 .966 -.0299
 .966 -.0150

MACH (1) = 2.000

ALPHA (7) = 4.370

RNL = 3.480

PTO = 2126.778

PO = 272.000

TIO = 114.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0912 .1197 .1902
 .250 .2300 -.1526
 .362 -.1115
 .400
 .419 -.2268
 .550 -.2793 -.2682
 .600
 .697 -.1904
 .700
 .725
 .750
 .806 -.1752
 .830
 .900
 .950
 .951
 .966 -.0791
 .966 -.0445

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 S1 (TOP WING) 11 (RBVTJ37)

MACH (1) = 2.000 ALPHA (8) = 6.390 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CP
.090	.0511
.250	.0578
.362	-.2320
.400	-.1255
.419	-.2624
.550	-.2431
.600	-.2937
.697	-.2782
.700	-.2976
.725	-.2671
.750	-.2919
.806	-.2070
.850	-.2772
.900	-.1995
.950	-.1685
.951	-.1171
.966	-.0189
	-.2578

MACH (1) = 2.000 ALPHA (9) = 8.400 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CR

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CR
.090	.0927
.250	.0783
.362	-.2359
.400	-.1851
.419	-.2688
.550	-.2395
.600	-.2988
.697	-.2839
.700	-.2644
.725	-.3024
.750	-.2801
.806	-.2969
.850	-.2087
.900	-.2763
.950	-.2235
.951	-.1864
.966	-.1277
	-.2474



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 37

ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(RBVT08) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 BETA (1) = -8.290 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966

-.0342 .0816 .1397
 -.1278 -.1263
 -.2134
 -.1396
 -.1695 -.2033
 -.2238
 -.1376
 -.2139
 -.1865
 -.2403
 -.0760
 -.1593
 -.0551
 -.2121
 -.0383
 -.0823
 -.0298

MACH (1) = 2.000 BETA (2) = -6.260 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850

.0262 .0931 .1385
 -.1416 -.1258
 -.2205
 -.1324
 -.1819 -.2090
 -.2175
 -.2221
 -.1836
 -.2421
 -.0837
 -.1843

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 38

ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 21

(RBVT08)

MACH (1) = 2.000 BETA (2) = -6.260

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.0717
-.0919
-.0272
-.0248

-.2103

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.482 PTO = 2126.400 PO = 271.900 TPO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.0443
-.1423
-.1278
-.1955
-.1954
-.1059
-.0870
-.0279
-.0206

.0547
-.1539
-.1186
-.2209
-.2147
-.2291
-.2084
-.1034
-.2052
-.2454

.1861
-.1186
-.2152

MACH (1) = 2.000 BETA (4) = -2.210 RNL = 3.482 PTO = 2126.400 PO = 271.900 TPO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.0537
-.1408
-.1249

.0856
-.1658
-.2206
-.1968
-.2252
-.2224

.2221
-.1273

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MACH (1) = 2.000 BETA (6) = 1.840 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21 (RSVTD8)

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1255	.2013		.2911
.250			-.1761		-.0936	
.362	-.0687					
.400				-.2214		
.419		-.1812				
.550			-.2237	-.2383		
.600						-.2092
.697	-.1477					
.700				-.2636		
.725		-.2170				
.750					-.2539	
.806		-.1280				
.850				-.2523		
.900		-.1002				.1992
.950			-.1264			
.951		-.0051				
.966	.0121					

MACH (1) = 2.000 BETA (7) = 3.860 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1767	.2334		.3252
.250			-.1715		-.0809	
.362	-.0321					
.400				-.2127		
.419		-.1846				
.550			-.2402	-.2284		
.600						-.2023
.697	-.1431					
.700				-.2566		
.725		-.2290				
.750					-.2496	
.806		-.1211				
.850				-.2538		
.900		-.1012				-.1871
.950			-.1402			
.951		-.0238				
.966	.0501					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR 11 S1 (TOP WING) 21

(RBVTD8)

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2145 .2651 .3602
 .290 -.1594 -.0653
 .362 -.0073 -.2020
 .400 -.1806 -.2437 -.2192
 .419 -.1006 -.2437 -.2192
 .500 .600
 .600 .697 -.1316
 .700 .725
 .730 .750
 .806 .850
 .900 .950
 .951 .966
 .0834

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2345 .2930 .3909
 .250 -.1909 -.0312
 .362 .0223
 .400
 .419
 .500
 .600
 .697 -.1223
 .700 .725
 .750
 .806
 .850
 .900
 .951
 .966
 .1216

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(RBVTU9) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SERPR = .557
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.550 RNL = 3.480 PTO = 2125.222 PO = 271.556 TPO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2858 .3324 .3644
 .250 -.0296 .0042
 .362 .0316
 .400 -.1410
 .419 -.0674
 .550 -.1292 -.1316
 .600 -.1285
 .697 -.0572
 .700 -.1406
 .725 -.1596
 .750 -.1706
 .806 -.0005
 .850 -.1363
 .900 .0305
 .950 -.0273
 .951 .1019
 .966 .0870

MACH (1) = 2.000 ALPHA (2) = -5.540

RNL = 3.480 PTO = 2125.222 PO = 271.556 TPO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2301 .2603 .3297
 .250 -.0575 -.0314
 .362 -.0502
 .400 -.1623
 .419 -.0980
 .550 -.1558 -.1554
 .600 -.1601
 .697 -.0387
 .700 -.1825
 .725 -.1620
 .750 -.1927
 .806 -.0396
 .850 -.1631

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 SL (TCF WING) 11

(RBYTD9)

MACH (1) = 2.000 ALPHA (2) = -5.540

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 .950 .951 .966
 -.0134 -.0762
 .0666 .0548
 -.1537

MACH (1) = 2.000 ALPHA (3) = -3.570 RNL = 3.480 PTO = 2125.222 PO = 271.556 TIO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .290 .362 .400 .419 .550 .600 .697 .700 .725 .750 .806 .850 .900 .950 .951 .966
 .1746 .2080 .2928
 -.1073 -.0622
 -.1853
 -.1255 -.1770 -.1783
 -.1853
 -.2034
 -.1814
 -.0712
 -.0466
 -.1081
 .0361
 .0331
 -.2149
 -.1862
 -.1794

MACH (1) = 2.000 ALPHA (4) = -1.570 RNL = 3.480 PTO = 2125.222 PO = 271.556 TIO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .290 .362 .400 .419 .550 .600 .697
 .1066 .1554 .2739
 -.1482 -.1022
 -.2075
 -.1403
 -.1909 -.2037
 -.2042
 -.1207

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 04 T1 S1 (TOF WING) 11

(RBVTJ9)

MACH (1) = 2.000 ALPHA (4) = -1.570

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8670

X/C

.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 2.000 ALPHA (5) = .460

RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8670

X/C

.090						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(RBVTD9)

MACH (1) = 2.000 ALPHA (6) = 2.470 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTD = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0814	.1441	.2287
.250	-.2155	-.1294	
.362	-.0831		
.400		-.2430	
.419	-.1829	-.2341	
.550			-.2292
.600			
.697	-.1570		
.700		-.2766	
.725	-.2202		
.750		-.2728	
.806	-.1455		
.850		-.2637	
.900	-.1247		-.2149
.950		-.1323	
.951	-.0337		
.966	-.0238		

MACH (1) = 2.000 ALPHA (7) = 4.430 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTD = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0595	.1201	.1935
.250	-.2292	-.1521	
.362	-.0942		
.400		-.2510	
.419	-.2103	-.2651	
.550			-.2427
.600			
.697	-.1739		
.700		-.2865	
.725	-.2346		
.750		-.2819	
.806	-.1732		
.850		-.2525	
.900	-.1667		-.2267
.950		-.1454	
.951	-.0766		
.966	-.0289		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI TI S1 (TOP WING) 11

(EBVT09)

MACH (1) = 2.000 ALPHA (0) = 6.470 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTD = 113.773

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0381 .0969 .1640
 .250 -.2293 -.1714
 .362 -.1118
 .400 -.2618
 .419 -.2316
 .550 -.2918 -.2757
 .600 -.2561
 .697 -.1950
 .700 -.2962
 .725 -.2678
 .750 -.2909
 .806 -.1909
 .850 -.2774
 .900 -.1992
 .950 -.1688
 .951 -.1159
 .966 -.0009

MACH (1) = 2.000 ALPHA (9) = 8.520 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTD = 113.773

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0436 .0779 .1390
 .250 -.2408 -.1862
 .362 -.1156
 .400 -.2690
 .419 -.2495
 .550 -.3020 -.2831
 .600 -.2640
 .697 -.2077
 .700 -.3018
 .725 -.2800
 .750 -.2972
 .806 -.2169
 .850 -.2767
 .900 -.2233
 .950 -.1866
 .951 -.1398
 .966 .0062



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 S1 (TOP WING) 11

(04 APR 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 955.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GINBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.970 RNL = 3.969 PTO = 2137.556 PO = 541.689 TTO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .3104 .3144 .3403
 .250 -.0720 -.0257
 .362 -.0565
 .400
 .419 -.1183 -.2386
 .550 -.1761 -.1842
 .600
 .697 -.0408 -.2199
 .700
 .725 -.0172 -.2208
 .750
 .806 .0131 -.2803
 .850 .0042
 .900 .0737 -.1958
 .950 .1150
 .951 .0945
 .966 .0801

MACH (1) = 1.550 ALPHA (2) = -5.970 RNL = 3.969 PTO = 2137.556 PO = 541.689 TTO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2594 .2811 .3080
 .250 -.1035 -.0681
 .362 -.0568
 .400
 .419 -.1434 -.2650
 .550 -.2104 -.2143
 .600
 .697 -.0864 -.2578
 .700
 .725 -.0874 -.2598
 .750 -.0874 -.2940
 .806 -.0162
 .850 -.0612

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 11 (RBVT10)

MACH (1) = 1.550 ALPHA (2) = -5.970

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920 .0465 .2338
 .950 .0265
 .951 .0638
 .956 .0518

MACH (1) = 1.550 ALPHA (3) = -4.030 RNL = 3.969 PTO = 2137.556 PO = 541.889 TPO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2107 .2432 .2701
 .290 -.1493 -.1167
 .362 -.0437
 .400 -.2934
 .419 -.1728
 .550 -.2377 -.2534
 .600 -.2872
 .697 -.1146
 .700 -.2895
 .725 -.1415
 .750 -.3246
 .806 -.0275
 .850 -.1030
 .900 .0253
 .950 -.0340
 .951 .0468
 .966 .0327

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 3.969 PTO = 2137.556 PO = 541.889 TPO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1532 .1963 .2243
 .290 -.1834
 .362 -.0664
 .400 -.3174
 .419 -.2021
 .550 -.2659 -.2899
 .600 -.3223
 .697 -.1421

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOP WING) 11

(RBVT10)

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 3.969 PTO = 2137.556 PO = 541.889 TTO = 130.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0558 .5932 .1481
 .250 -.2872 -.2479
 .362 -.1077
 .400 -.3882
 .419 -.2686
 .550 -.3374 -.3763
 .600 -.3705
 .697 -.2270
 .700 -.3971
 .725 -.2555
 .750 -.4246
 .806 -.1145
 .850 -.2184
 .900 -.1060
 .950 -.1646
 .951 .0063
 .966 .0020

MACH (1) = 1.550 ALPHA (7) = 4.010 RNL = 3.965 PTO = 2137.556 PO = 541.889 TTO = 130.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0126 .0474 .1086
 .250 -.3280 -.2749
 .362 -.1192
 .400 -.4063
 .419 -.2807
 .550 -.3549 -.4078
 .600 -.3880
 .697 -.2418
 .700 -.4366
 .725 -.2849
 .750 -.4378
 .806 -.1445
 .850 -.2469
 .900 -.1587
 .950 -.2017
 .951 -.0073
 .966 -.0106

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B QZ T1 S1 (TOP WING) 11

(RBVT10)

MACH (1) = 1.550 ALPHA (8) = 6.020 RNL = 3.969 PTO = 2137.556 PO = 541.889 TTD = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250			-.0262	.0081		.0082
.362			-.3472		-.3120	
.450						
.419				-.4233		
.550						
.600				-.3818	-.4264	
.697						-.4151
.700				-.4620		
.725				-.3272		
.750					-.4574	
.806				-.1916		
.850				-.2945		
.900				-.2021		-.3837
.950				-.2515		
.951				-.0173		
.966				-.0100		

MACH (1) = 1.550 ALPHA (9) = 8.060

RNL = 3.969

PTO = 2137.556

PO = 541.889

TTD = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250			-.0759	-.0903		-.0864
.362			-.3977		-.3655	
.400				-.4499		
.419						
.550				-.4186	-.4583	
.600						-.4524
.697						
.700				-.4842		
.725				-.3586		
.750					-.4444	
.806				-.2179		
.850					-.3248	
.900				-.2385		-.3072
.950				-.2834		
.951				-.0063		
.966				-.0132		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S1 (TOP WING) 11

(RBVT21) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.520 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2627 .3077 .3599
 .250 -.0325 .0084
 .362 .0217
 .400
 .419 -.1021
 .550 -.0669
 .600 -.1308 -.1309
 .697 .0000
 .700
 .725 -.1425
 .750 -.1635
 .806 -.0018
 .850 -.1404
 .900 .0000
 .950 -.0239
 .951 .1023
 .966 .0393
 -.1437
 -.1706
 -.1246

MACH (1) = 2.001 ALPHA (2) = -5.560 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2079 .2501 .3261
 .250 -.0711 -.0350
 .362 -.0104
 .400
 .419 -.1175
 .550 -.0996
 .600 -.1588 -.1590
 .697 .0000
 .700
 .725 -.1879
 .750 -.1677
 .806 -.0442
 .850 -.1966
 -.1680
 -.1707

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 53

ARC 97-710 1A128 Q1 T1 S1 (TOR MING) 11

(RBV721)

MACH (1) = 2.001 ALPHA (2) = -5.560

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.0000	-.1559
.930	-.0753	
.951	.0672	
.966	-.0599	

MACH (1) = 2.001 ALPHA (3) = -3.580 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1591	.2012	.2901
.250	-.1025	-.0613	
.362	-.0310	-.1625	
.400	-.1222	-.1729	-.1789
.419			-.1905
.530			
.600			
.697			
.700			
.725			
.750			
.806			
.850			
.900			
.920			
.951			
.966			

MACH (1) = 2.001 ALPHA (4) = -1.550 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1073	.1548	.2722
.250	-.1572	-.0998	
.362	-.0677		
.400			
.419			
.530			
.600			
.697			

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBVT21)

MACH (1) = 2.001 ALPHA (4) = -1.550

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 .2232
 .725 -.1841
 .750 -.2399
 .806 -.0862
 .850 -.2010
 .900 .0000
 .950 -.1092
 .951 -.1941
 .966 .0194
 -.0005

MACH (1) = 2.001 ALPHA (5) = .440 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0756 .1599 .2575
 .250 -.1745
 .362 -.0614
 .400
 .419 -.1520
 .500 -.2055
 .550 -.2059
 .600 -.2345
 .697 .0000
 .700
 .725 -.1969
 .750 -.2546
 .806 -.1106
 .850 -.2576
 .900 -.2291
 .950 .0000
 .951 -.1273
 .966 -.0042
 -.0095



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TABULATED SOURCE DATA - ARC 97-710 - 14128

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ARC 97-710 14128 Q1 T1 S1 (TOP WING) 11

(RBVT21)

MACH (1) = 2.001 ALPHA (6) = 2.470 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0687	.1394	.2302
.250	-.2130	-.1272	
.362	-.0814		
.400		-.2301	
.419	-.1783		
.550		-.2286	-.2522
.600			-.2309
.697	.0000		
.700		-.2778	
.725	-.2194		
.750		-.2741	
.806	-.1439		
.850		-.2660	-.2098
.900	.0000	-.1319	
.950	-.0255		
.951			
.966	-.0737		

MACH (1) = 2.001 ALPHA (7) = 4.470 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0473	.1145	.1968
.250	-.2279	-.1511	
.362	-.0890		
.400		-.2390	
.419	-.2058	-.2639	
.550		-.2720	-.2464
.600			
.697	.0000		
.700		-.2871	
.725	-.2316		-.2829
.750			
.806	-.1714		
.850		-.2496	
.900	.0000	-.1465	-.2239
.950			
.951	-.0769		
.966	-.0827		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBVT21)

MACH (1) = 2.001 ALPHA (8) = 6.470 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0449 .0966 .1626
 .250 .2309 -.1704
 .362 -.1171
 .400 .419 -.2441
 .550 .550 -.2278
 .600 .600 -.2910
 .697 .697 -.2734
 .700 .700 -.2570
 .725 .725 -.2957
 .750 .750 -.2628
 .806 .806 -.2911
 .850 .850 -.1923
 .900 .900 -.2750
 .950 .950 .0000
 .951 .951 -.1674
 .966 .966 -.2358
 .966 .966 -.1155

MACH (1) = 2.001 ALPHA (9) = 8.450 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0326 .0758 .1356
 .250 .2367 -.1890
 .362 -.1228
 .400 .419 -.2584
 .550 .550 -.2465
 .600 .600 -.2995
 .697 .697 -.2797
 .700 .700 -.2624
 .725 .725 -.3025
 .750 .750 -.2639
 .806 .806 -.2963
 .850 .850 -.2198
 .900 .900 -.2800
 .950 .950 -.2470
 .951 .951 -.1869
 .966 .966 -.1396
 .966 .966 -.0239

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S1 (TOP WING) 11

(RBV722) (04 APR 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 993.0000 IN.
 LREF = 1328.0000 IN. YMRP = .5000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.551 ALPHA (1) = -7.970 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2787 .3024 .3455
 .250 -.0618 -.0175
 .362 -.0142 -.2130
 .400 -.1129 -.1693 -.1912
 .419 -.2338
 .500 .0000
 .597 -.2162
 .700 -.0151
 .725 -.2587
 .750 .0059
 .806 .0000
 .890 .1127
 .930 -.1943
 .951
 .966 .0976

MACH (1) = 1.551 ALPHA (2) = -6.010 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2346 .2733 .3063
 .250 -.1050 -.0590
 .362 -.0436 -.2358
 .400 -.1445
 .419 -.2133 -.2217
 .500
 .597 .0000
 .697 -.2728
 .700
 .725 -.2533
 .750 -.0847
 .806 -.2945
 .850 -.0098
 .966 -.0566

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B O1 T1 S1 (TOP WING) 11

(RBT22)

MACH (1) = 1.551 ALPHA (2) = -6.010

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.0000	.0292	-.2333
.950			
.951	.0615		
.966	.0515		

MACH (1) = 1.551 ALPHA (3) = -4.000 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTD = 132.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1977	.2368	.2677
.250	-.1515	-.1141	
.362	-.0589		
.400		-.2793	
.419	-.1796		
.550	-.2443	-.2618	
.600			-.2980
.697	.0000	-.2905	
.700			
.725	-.1418	-.3200	
.750			
.806	-.0388	-.1085	
.850			-.2612
.900	.0000	-.0384	
.950			
.951	.0388		
.966	.0236		

MACH (1) = 1.551 ALPHA (4) = -2.020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTD = 132.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1336	.1853	.2263
.250	-.1880	-.1819	
.362	-.0760		
.400		-.3077	
.419	-.2065		
.550	-.2691	-.2981	
.600			-.3366
.697	.0000		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(R8VT22)

MACH (1) = 1.551 ALPHA (4) = -2.520

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 .3223
 .725 -.1787
 .750 -.3618
 .806 -.5577
 .850 -.1528
 .900 .0020
 .950 -.5946
 .966 .0169
 .966 -.0009

MACH (1) = 1.551 ALPHA (5) = .020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TPO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

E1 .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0854 .1376 .1968
 .250 -.2353 -.2174
 .362 -.1042
 .400 -.3507
 .419 -.2409
 .550 -.3113 -.3425
 .600 -.3733
 .697 .0000
 .700
 .725 -.3599
 .750 -.2193
 .806 -.3905
 .850 -.0951
 .900 -.2015
 .950 .0000
 .966 -.1381
 .966 -.0169
 .966 .0013

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 11 (RBT22)

MACH (1) = 1.551 ALPHA (6) = 2.020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TPO = 132.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0385	.0869	.1449
.250	-.3019	-.2446	
.362	-.1247		
.400		-.3789	
.419	-.2812		
.550		-.3560	-.3931
.600			-.3852
.697	.0000		
.700		-.4048	
.725		-.2653	
.750			-.4329
.806	-.1351		
.850		-.2300	
.900	.0000		-.3151
.950		-.1756	
.951	-.0114		
.966	-.0092		

MACH (1) = 1.551 ALPHA (7) = 4.000 RNL = 3.913 PTO = 2121.111 PO = 536.889 TPO = 132.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0005	.0423	.1048
.250	-.3267	-.2762	
.362	-.1410		
.400		-.4053	
.419	-.2842		
.550		-.3645	-.4212
.600			-.4005
.697	.0000		
.700		-.4442	
.725	-.2953		-.4441
.750			
.806	-.1576		
.850		-.2618	
.900	.0000		-.3509
.950		-.2191	
.951	-.0159		
.966	-.0132		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI TI S1 (TOP WING) 11

(RBVT22)

MACH (1) = 1.551 ALPHA (8) = 6.010 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4270	.5343	.6730	.7800	.8870
X/C						
.090						
.250						
.362						
.400						
.419						
.530						
.500						
.697						
.700						
.725						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 1.551 ALPHA (9) = 6.050 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4270	.5343	.6730	.7800	.8870
X/C						
.090						
.250						
.362						
.400						
.419						
.530						
.600						
.697						
.700						
.725						
.806						
.850						
.900						
.950						
.951						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q2 T1 S1 (TOP WING) 11

(RBV123) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CDR = .433 STWR = .469
 POWER = 1.000 G1SAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.980 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTY = 338.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2858 .3156 .3481
 .250 -.0686 -.0184
 .362 -.0074 -.2152
 .400 -.1124 -.1747 -.1898
 .419 -.2322
 .550 .0000
 .600 -.2206
 .697 -.0113
 .700 -.2608
 .725 .0226 .0045
 .750 .0000 .1139
 .856 -.1972
 .900
 .931 .0971
 .966 .0858

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTY = 338.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2413 .2744 .3080
 .250 -.1053 -.0594
 .362 -.0453 -.2464
 .400 -.1408
 .419 -.2092 -.2211
 .550 .0000
 .600 -.2570
 .697 -.0807
 .700 -.2939
 .725 -.0074
 .750 -.0601
 .856

DATE 13 JUN 74

TABULATED SOURCE DATA - ATC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 11

(FBVT23)

MACH (1) = 1.550 ALPHA (2) = -5.990

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.990 .0000 .2547
 .950 .0296
 .951 .0651
 .966 .0523

MACH (1) = 1.550 ALPHA (3) = -4.010 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2039 .2365 .2697
 .290 .1576 .1136
 .362 -.0562
 .400 .2810
 .419 -.1812
 .550 -.2496 -.2589
 .600 .2938
 .697 .0000
 .700 .2938
 .725 .1406
 .750 .3288
 .806 .1094
 .850 .0000
 .900 .2622
 .950 .0391
 .951 .0404
 .966 .0266

MACH (1) = 1.550 ALPHA (4) = -2.050 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1360 .1897 .2274
 .250 .1939 .1796
 .362 -.0839
 .400 .3703
 .419 -.2140
 .550 -.2727 -.2965
 .600 .3340
 .697 .0000

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

(R5V723)

MACH (1) = 1.550 ALPHA (4) = -2.050

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 .3239
 .725 -.1753
 .750 -.3605
 .806
 .850 -.1529
 .900 .0000
 .950 -.0948
 .951 .0122
 .966 -.0025

-.2539

MACH (1) = 1.550 ALPHA (5) = -.070

RNL = 4.125 PTO = 2264.000 PO = 573.222 TTD = 138.440

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0888 .1407 .1962
 .250 -.2341 -.2190
 .362 -.1027
 .400
 .419 -.3474
 .550 -.2452
 .600 -.3089 -.3411
 .697 .0000
 .700
 .725 -.3621
 .750 -.2229
 .806
 .850 -.0922
 .900 -.2043
 .950 .0000
 .951 -.1407
 .966 -.0012

-.3709

-.3927

.2876



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBVT23)

MACH (1) = 1.550 ALPHA (6) = 1.985 RNL = 4.125 PTO = 2264.000 PO = 573.222 TFO = 138.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0497 .0900 .1458
 .290 .2825 -.2452
 .362 -.1129
 .400 -.3884
 .419 -.2640
 .550 -.3348 -.3908
 .600 -.3844
 .697 .0000
 .700 -.4072
 .725 -.2674
 .750 -.4334
 .806 -.1216
 .850 -.2292
 .900 .0000
 .950 -.1772
 .951 .0029
 .965 -.0023

MACH (1) = 1.550 ALPHA (7) = 3.970 RNL = 4.125 PTO = 2264.000 PO = 573.222 TFO = 138.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0022 .0442 .1063
 .290 -.3283 -.2760
 .362 -.1291
 .400 -.4001
 .419 -.2840
 .550 -.3651 -.4216
 .600 -.3991
 .697 .0000
 .700 -.4479
 .725 -.2907
 .750 -.4453
 .806 -.1558
 .850 -.2628
 .900 .0000
 .950 -.2199
 .951 -.0152
 .966 -.0118

DATE 13 JUN 72

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S (TOP WING) 11 (RBVT23)

MACH (1) = 1.550 ALPHA (8) = 5.540 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) MING

ETA .2991 .4270 5. 6730 .7803 .8870

X/C

.050 .026 .0118
 .250 .3591
 .362 -.1577
 .400 .04
 .419 -.3
 .540 .355
 .600
 .697 .0000
 .700
 .725 .428
 .750 -.4705
 .806 -.2184
 .850 -.4659
 .900 .0000
 .950 -.5328
 .951 -.2640
 .966 -.0366
 .966 -.0248

MACH (1) = 1.550 ALPHA (9) = 7.910 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) MING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362 -.1853
 .400
 .419 -.3417
 .550
 .600
 .697 .0000
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966

DEPENDENT VARIABLE CP

-.0869 -.0899 -.0937
 -.3994 -.3763
 -.4562
 -.4279 -.4702
 -.4929
 -.3829
 -.4485
 -.2576
 -.3494
 .0000
 -.3030
 -.3540
 -.0326
 -.0303



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 11

(RBVT24) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 SRMPR = .469 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -0.040 RNL = 4.057 PTO = 2225.111 PO = 563.444 TPO = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2903 .3115 .3474
 .290 -.0667 -.0179
 .362 -.0063 -.2125
 .400 -.1099 -.1720 -.1844
 .419 -.2321
 .550 .600 .697 .700 .725 .750 .806 .850 .900 .950 .951 .966
 .0000 -.2198 -.0085 .0224 .0075 .1161 .0000 .1004 .0864

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 4.057 PTO = 2225.111 PO = 563.444 TPO = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2903 .2776 .3118
 .290 -.1020 -.0612
 .362 -.0386 -.2441
 .400 -.1374 -.2026 -.2195
 .419 -.2698
 .550 .600 .697 .700 .725 .750 .806 .850
 .0000 -.0788 -.2554 -.2920 -.0013 -.0543

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 68

ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 11

(RBVT24)

MACH (1) = 1.550 ALPHA (2) = -5.990

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.0000	-.2319
.950	.0330	
.951	.0702	
.966	.0539	

MACH (1) = 1.550 ALPHA (3) = -3.970 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.2065	.2342	.2674
.250	-.1508	-.1159	
.362	-.0923		
.400		-.2786	
.419	-.1751	-.2588	
.550	-.2375		
.600		-.2962	
.697	.0000		
.700		-.2908	
.725	-.1430		
.750		-.3272	
.806	-.0305		
.850		-.1066	
.900	.0000	-.0384	
.950			-.2609
.951	.0410		
.966	.0239		

MACH (1) = 1.550 ALPHA (4) = -2.010 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1356	.1906	.2281
.250	-.1885	-.1818	
.362	-.0780		
.400		-.3069	
.419	-.2073		
.550	-.2671	-.2943	
.600			-.3348
.637	.0000		

WACH (1) = 1.553 ALPHA (4) = -2.510

SECTION (1) WING

ETA	.2995	.4275	.5345	.6735	.7805	.8875
-----	-------	-------	-------	-------	-------	-------

x/c
.700
.725
.750
.806
.850
.900
.950
.951
.966

WGS (1) = 1,550 ALPHA (5) = .017 RNL = 4,057 PTO = 2225.111 PO = 563.444 TTO = 138.0323

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
-----	-------	-------	-------	-------	-------	-------

0.50	.0928	.1483			.1954
.250	-.2265		-.2186		
.362					
.400	-.0964				
.419		-.3488			
.550					
.600		-.2344	-.2985	-.3375	-.3712
.697					
.700	.0000				
.725				-.3607	
.750			-.2270		
.806					-.3905
.850		-.0882			
.900			.0000	-.2011	
.950					-.2877
.951		.0037			
.966	-.0111				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF T1 S1 (TOP WING) 11 (RBVT24)

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING
DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0444	.0898		.1455
.250			-.2997		-.2440	
.362	-.1190					
.400				-.3865		
.419		-.2753				
.550			-.3499	-.3898		
.600						-.3839
.697	.0000					
.700				-.4040		
.725			-.2634			
.750					-.4316	
.856		-.1271				
.850				-.2283		
.900			.0000			-.3149
.950					-.1763	
.951						-.0020
.966	-.0080					

MACH (1) = 1.550 ALPHA (7) = 4.010 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING
DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			-.0012	.0429		.1047
.250			-.3315		-.2756	
.362	-.1380					
.400				-.4021		
.419		-.2922				
.550			-.3667	-.4194		
.600						-.3985
.697	.0000					
.700				-.4460		
.725			-.2922			
.750					-.4426	
.806		-.1659				
.850				-.2642		
.900			.0000			-.3498
.950					-.2195	
.951						-.0217
.966	-.0198					

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B

MACH (1) = 1.550 ALPHA (8) = 5.990 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000
 ARC 97-710 1A12B CL T1 SL (TOP WING) 11 (RBVT24)

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0436 -.0029 .0074
 .290 -.3588 -.3095
 .362 -.1595
 .400 -.4175
 .419 -.3104
 .550 -.3910 -.4343
 .600 -.4234
 .697 .0000
 .700 -.4676
 .725 -.3409
 .750 -.4647
 .806 -.2184
 .890 -.3000
 .900 .0000
 .950 -.2632
 .951 -.0374
 .966 -.0265

MACH (1) = 1.550 ALPHA (9) = 6.040 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0697 -.0894 -.0967
 .290 -.4035 -.3788
 .362 -.1862
 .400 -.4577
 .419 -.3436
 .550 -.4288 -.4683
 .600 -.4636
 .697 .0000
 .700 -.4912
 .725 -.3826
 .750 -.4500
 .806 -.2571
 .890 -.3510
 .900 .0000
 .950 -.3032
 .951 -.0335
 .966 -.0292

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(RBVT25) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 QPR = .433 SEMPR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.340 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			-.0164	.0543		.0958
.250			-.1807		-.2352	
.362	-.0937					
.400				-.3120		
.419		-.1807				
.550			-.252	-.2755		
.620						-.3471
.697	.0000					
.700			-.2843			
.725			-.1351		-.3430	
.750		-.1140				
.806				-.1283		
.893			.0000		-.2490	
.900				-.0418		
.930						
.951		-.0576				
.966	-.0582					

MACH (1) = 1.550 BETA (2) = -0.300 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0223	.0782		.1187
.250			-.2040		-.2379	
.362	-.0917					
.400				-.3165		
.419		-.1872				
.550			-.2547	-.2859		
.620						-.3626
.697	.0000					
.700				-.3112		
.725			-.1556			
.750					-.3548	
.806		-.1079				
.850					-.1370	



DATE 13 JUN 77

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 71 S1 (TOP WING) 21

(RBV723)

MACH (1) = 1.550 BETA (2) = -6.300

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950 .0000 -.2501
 .950 .0000 -.0624
 .951 -.0502
 .966 -.0494

MACH (1) = 1.550 BETA (3) = -4.270 RNL = 4.125 PTO = 2273.333 PO = 575.536 TPO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0592 .1067 .1413
 .250 -.2148 -.2352
 .362 -.0621 -.3323
 .400 -.2009 -.3074
 .419 -.2662 -.3723
 .590 .0000
 .600 -.3262
 .697 -.1820
 .700 -.3727
 .725 .0000
 .730 -.0662
 .806 -.1587
 .850 .0000
 .900 -.0932
 .950 -.0216
 .966 -.0339

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.125 PTO = 2273.333 PO = 575.536 TPO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0876 .1284 .1741
 .250 -.2167 -.2250
 .362 -.0914 -.3357
 .400 -.2094
 .419 1.2776 -.3239
 .550 -.3680
 .600
 .637 .0000

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 74

ARC 97-710 1A12B CL T1 S1 (TOP WING) 21

(RBVT25)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

-.3418

.725

-.1916

.750

-.3839

.800

-.0840

.850

-.1771

.900

.0000

-.2815

.950

-.1147

.951

-.0172

.966

-.0236

MACH (1) = 1.550 BETA (5) = -.200 RNL = 4.125 FTO = 2273.333 PO = 575.556 TFO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8370

X/C

.050

.1975

.250

.1050

.362

-.2251

.400

-.2193

.419

.3491

.550

-.2326

.600

-.2991

.697

-.3394

.700

-.3693

.725

-.3621

.750

-.2205

.800

-.3887

.850

-.0814

.900

-.2014

.950

.0000

-.2862

.951

-.1405

.966

-.0046

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 12 S1 (TOP WING) 21

(RBVT25)

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 145.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1029	.1436		.2187
.250			-.2427		-.2062	
.362	-.0921					
.400				-.3682		
.419		-.2319				
.550			-.3047	-.3384		-.3646
.600						
.697	.0000					
.700				-.3750		
.725			-.2368			
.750					-.4116	
.806	-.0917					
.850			-.2155			-.2854
.900			.0000		-.1403	
.950						
.951			.0260			
.966	.0167					

MACH (1) = 1.550 BETA (7) = 3.860 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 145.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0925	.1390		.2237
.250			-.2758		-.2001	
.362	-.0743					
.400				-.3646		
.419		-.2409				
.550			-.3155	-.3693		-.3597
.600						
.697	.0000					
.700			-.2868			
.725				-.3872		
.750					-.4106	
.806	-.1078					
.850			-.2440			-.2793
.900			.0000		-.1450	
.950						
.951			.0459			
.966	.0505					

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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(REVISED)

ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 21

MACH (1) = 1.550 BETA (8) = 5.910 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTD = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0969	.1585	.2464	
.250			-.2783		-.1962	
.362	-.0574					
.400				-.3584		
.419		-.2462				
.550			-.3219	-.3764		
.600					-.3553	
.697	.0000					
.700				-.4075		
.725			-.2964			
.750					-.4079	
.806		-.1128				
.850				-.2280		
.900			.0000		-.2757	
.950				-.1516		
.951		.0571				
.966	.0758					

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTD = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1083	.1732	.2646	
.250			-.2772		-.1929	
.362	-.0336					
.400				-.3584		
.419		-.2584				
.550			-.3324	-.3728		
.600					-.3470	
.697	.0000					
.700				-.4092		
.725			-.2980			
.750					-.4036	
.806		-.1290				
.850				-.2101		
.900			.0000		-.2735	
.950				-.1579		
.951		.0651				
.966	.0987					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOP WING) 21

(RBVT26) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. WARP = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = .000
 SEMR = .469 FOLR = 1.000
 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -6.340 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTD = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050 .0196 .0542 .0965
 .250 .1820 .2365
 .362 .0938 .3087
 .400 .3087
 .419 .1855 .2471 .2780 .3472
 .550 .0000 .2885
 .600 .1184 .1288 .2463
 .697 .0000 .0000 .0418
 .700 .1184 .1288 .2463
 .725 .1184 .1288 .2463
 .750 .1184 .1288 .2463
 .806 .1184 .1288 .2463
 .850 .1184 .1288 .2463
 .900 .1184 .1288 .2463
 .951 .1184 .1288 .2463
 .966 .1184 .1288 .2463

MACH (1) = 1.550 BETA (2) = -6.300 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTD = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050 .0264 .0780 .1182
 .250 .1981 .2394
 .362 .0869 .3233
 .400 .1852 .2492 .2863 .3648
 .419 .1852 .2492 .2863 .3648
 .550 .0000 .3133
 .600 .1184 .1288 .2463
 .697 .0000 .0418
 .700 .1184 .1288 .2463
 .725 .1184 .1288 .2463
 .750 .1184 .1288 .2463
 .806 .1184 .1288 .2463
 .850 .1184 .1288 .2463
 .900 .1184 .1288 .2463
 .951 .1184 .1288 .2463
 .966 .1184 .1288 .2463

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 21

(RBVT26)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8670

X/C

.700	-.3417
.725	-.1929
.750	-.3832
.806	-.0931
.850	-.1758
.900	.0000
.950	-.1150
.951	-.0238
.966	-.0335

-2855

MACH (1) = 1.550 BETA (5) = -.200

RNL = 4.049

PTO = 2228.556

FO = 564.333

TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8670

X/C

.050	.0940	.1465	.1987
.250	-.2219	-.2157	
.362		-.3520	
.400	-.2372	-.3371	-.3696
.419		-.3614	
.550	-.2201	-.3995	
.600	-.0915	-.2032	-.2856
.697	.0000	-.1389	
.700		-.0015	
.725			
.750			
.806			
.850			
.900			
.950			
.951			
.966			

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 21

(RBVT26)

MACH (1) = 1.550 BETA (6) = 1.830 RNL = 4.049 PTO = 2228.556 PO = 564.333 TPO = 139.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0944	.1424	.2161
.250	-.2523	-.2053	
.362	-.0914		
.400		-.3667	
.419	-.2399		
.550	-.3091	-.3474	
.600			-.3631
.697	.0000		
.700		-.3739	
.725	-.2369		
.750		-.4109	
.806	-.0954		
.850		-.2165	
.900	.0000		-.2850
.950		-.1414	
.951	.0243		
.966	.0095		

MACH (1) = 1.550 BETA (7) = 3.870 RNL = 4.049 PTO = 2228.556 PO = 564.333 TPO = 139.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0849	.1420	.2244
.250	-.2825	-.1990	
.362	-.0801		
.400		-.3623	
.419	-.2487		
.550	-.3189	-.3686	
.600			-.3583
.697	.0000		
.700		-.3909	
.725	-.2878		
.750		-.4094	
.806	-.1213		
.850		-.2400	
.900	.0000		-.2792
.950		-.1443	
.951	.0316		
.966	.0351		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOP WING) 21

(R8V726)

MACH (1) = 1.550 BETA (8) = 5.900 RNL = 4.049 PTO = 2228.556 PO = 564.333 TIO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0933 .1551 .2451
 .250 .2805 -.1963
 .362 -.0628
 .400
 .419 -.2540
 .550 .3647
 .600 -.3302 -.3741
 .697 .0000
 .700
 .725 -.2972
 .750 -.4072
 .806 -.1231
 .850 -.2269
 .900 .0000
 .950 -.1906
 .951 .0500
 .966 .0672

-3538

-4077

-2801

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.049 PTO = 2228.556 PO = 564.333 TIO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1047 .1732 .2592
 .250 -.2764
 .362 -.0461
 .400
 .419 -.2629
 .550 -.3372 -.3716
 .600
 .697 .0000
 .700
 .725 -.3011
 .750
 .806 -.1349
 .850
 .900
 .950
 .951 .0613
 .966 .0951

-3464

-4035

-2109

-2729

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 02 T1 S1 (TOP WING) 21

(RBVT27) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 GUNBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.340 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0164 .0590 .0963
 .290 -.1790 -.2325
 .362 -.0941 -.3122
 .400 -.1807 -.2442 -.2744
 .419 -.3453
 .590 .0000
 .697 .2871
 .700 -.1356
 .725 -.3433
 .750 -.1119
 .806 -.1254
 .850 .0000
 .900 -.2468
 .950 -.0400
 .951 -.0582
 .966 -.0562

MACH (1) = 1.550 BETA (2) = -6.330 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0280 .0800 .1180
 .290 -.2038 -.2380
 .362 -.0906 -.3257
 .400 -.1872 -.2544 -.2853
 .419 -.3615
 .590 .0000
 .697 .3117
 .700 -.1537
 .725 -.3536
 .750 -.1088
 .806 -.1372
 .850

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 21

(RBVT27)

MACH (1) = 1.550 BETA (2) = -6.330

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950	.0000	-2.520
.950	-.0609	
.951	-.0480	
.966	-.0305	

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950	.0554	.1077	.1403
.250	-.2188	-.2346	
.362	-.0903		
.400		-.3366	
.419	-.2064		
.550	-.2670	-.3063	
.600			-.3717
.637	.0000		
.700		-.3260	
.725	-.1816		
.750		-.3749	
.806	-.0911		
.850		-.1579	
.900	.0000	-.2653	
.950		-.0965	
.951	-.0295		
.966	-.0419		

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950	.0859	.1246	.1712
.250	-.2211	-.2244	
.362	-.0988		
.400		-.3429	
.419	-.2155		
.550	-.2802	-.3275	
.600			-.3713
.637	.0000		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 84

ARC 97-710 1A128 QZ T1 S1 (TOP WING) 21

(RBVT27)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 1.550 BETA (5) = -2.200

RNL = 4.056

FTO = 2230.667

FO =

= 565.000

TTO =

= 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 85

ARC 97-710 1A128 O1 T1 S1 (TOP WING) 21

(RBT27)

MACH (1) = 1.553 BETA (6) = 1.840 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTD = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 .0907 .1440 .2165
 .250 .2483 .2037
 .362 -.0917
 .400 .419
 .419 .2470 .3733
 .550 .3087 .3391
 .600 .3621
 .697 .0000
 .700 .3763
 .725 .2362
 .750 .4102
 .806 .2148
 .850 .3000 .2835
 .900 .1413
 .951 .0222
 .966 .0242

MACH (1) = 1.550 BETA (7) = 3.870 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTD = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 .0942 .1424 .2260
 .250 .2756 .1988
 .362 -.0720
 .400 .419
 .419 .2410 .3687
 .550 .3157 .3690
 .600 .3579
 .697 .0000
 .700 .3926
 .725 .2844
 .750 .4092
 .806 .1127
 .850 .2437
 .900 .0000
 .951 .1453
 .966 .0445 .0490

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A128

ARC 97-710 1A128 ON T1 S1 (TOP WING) 21 (RBVT27)

MACH (1) = 1.550 BETA (8) = 5.900 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .090 .0921 .1568 .2428
 .250 -.2827 -.1959
 .362 -.0622 -.3661
 .400
 .419 -.2612 -.3750 -.3540
 .550
 .620 .0000
 .697
 .700 -.4070
 .725
 .750 -.2960 -.4072
 .806 -.1274
 .890 -.2303
 .900 .0000 -.2758
 .950 -.1493
 .951 .0517
 .966 .0615

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .090 .1102 .1714 .2633
 .250 -.2767 -.1903
 .362 -.0447 -.3621
 .400
 .419 -.2556 -.3733 -.3467
 .550
 .620 .0000
 .697
 .700 -.4091
 .725 -.2990
 .750
 .806 -.1270
 .890 -.4025
 .900 -.2104
 .950 .0000 -.2703
 .951 -.1585
 .966 .0670 .1031

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 11

(RBVT28) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SRMR = 1.000
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.990 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2871 .3165 .3518
 .250 -.0631 -.0160
 .362 -.0164 -.2153
 .400 -.1191 -.1652 -.1838
 .419 -.1191 -.1652 -.1838
 .550 .0000
 .600 .0000
 .697 .0000
 .700 .0000
 .725 .0000
 .750 .0000
 .806 .0000
 .850 .0000
 .900 .0000
 .950 .0000
 .951 .0000
 .965 .0000

MACH (1) = 1.550 ALPHA (2) = -5.980 RNL = 2.613 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2569 .2785 .3152
 .250 -.1055 -.0623
 .362 -.0454 -.2470
 .400 -.1380
 .419 -.1380
 .550 .0000
 .600 .0000
 .697 .0000
 .700 .0000
 .725 .0000
 .750 .0000
 .806 .0000
 .850 .0000

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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(RBVT28)

ARC 97-710 1A12B ON T1 S1 (TOP WING) 11

MACH (1) = 1.550 ALPHA (2) = -5.985

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.900

.950

.951

.966

-2287

.0273

MACH (1) = 1.550 ALPHA (3) = -3.970 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTD = 106.883

SECTION (1) WING DEPENDENT VARIABLE CF

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.950

.950

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.962

.2716

-1184

-2857

-2347

-2630

-2953

-2985

-1438

-3297

-1131

-3383

-2546

.0383

.0254

MACH (1) = 1.550 ALPHA (4) = -2.020 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTD = 106.883

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.950

.950

.962

.962

.962

.962

.962

.962

.962

.2309

-1836

-3105

-2204

-2626

-3019

-3321

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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(RBVT28)

ARC 97-710 1A12B OL T1 S1 (TOP MING) 11

MACH (1) = 1.550 ALPHA (4) = -2.020

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

-.3265

.700

.725

.750

.806

.850

.900

.950

.951

.966

-.1789

-.0921

-.1588

.0000

-.0974

.0159

.0063

-.3649

-.2451

MACH (1) = 1.550 ALPHA (5) = -.040 RNL = 2.619 PTO = 1336.889 FO = 338.667 TTD = 106.889

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090

.250

.362

.400

.419

.550

.670

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966

.1014

-.2316

-.3575

-.2371

-.3008

-.3442

-.3696

-.3172

-.2184

-.0994

-.2057

.0000

-.1397

-.0047

-.0255

.1963

-.2202

-.3942

-.2893

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 SL (TOP WING) 11

(RBT23)

MACH (1) = 1.550 ALPHA (6) = 1.950 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0438 .0878 .1461
 .290 -.2912 -.2481
 .362 -.1243
 .400 -.2812 -.3947
 .419 -.3400 -.3983
 .550 -.3826
 .600
 .697 -.4118
 .700 -.2642 -.4373
 .725
 .750 -.1359
 .806 -.2357
 .850 .0000 -.3161
 .900 -.1772
 .951 -.0171
 .966 -.0138

MACH (1) = 1.550 ALPHA (7) = 4.030 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0033 .0441 .1052
 .290 -.3375 -.2821
 .362 -.1923
 .400 -.4119
 .419 -.3011
 .550 -.3748 -.4255
 .600 -.3978
 .697 .0000
 .700
 .725 -.2913 -.4512
 .750 -.4494
 .806 -.1756
 .850 -.2640
 .900 .0000 -.3504
 .950 -.2199
 .951 -.0339
 .966 -.0301

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(GBVT28)

MACH (1) = 1.550 ALPHA (8) = 6.000 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTD = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0454	.0008		.0025
.250	-.3689		-.3209	
.362	-.1720			
.400		-.4282		
.419				
.550	-.3222	-.3948	-.4404	
.600				-.4266
.697	.0000			
.700		-.4710		
.725		-.3586		
.750	-.2240		-.4704	
.806				
.850		-.3019		
.900		.0000		-.3966
.950		-.2617		
.951	-.0532			
.966	-.0363			

MACH (1) = 1.550

ALPHA (9) =

7.990

RNL =

2.619

PTO =

1336.889

PO =

338.667

TTD =

106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.1059	-.1024		-.1017
.250	-.4156		-.3889	
.362	-.2038			
.400		-.4668		
.419				
.550	-.3578	-.4442	-.4776	
.600				-.4662
.697	.0000			
.700		-.4986		
.725		-.3850		
.750			-.4353	
.806	-.2678			
.850		-.3615		
.900		.0000		-.4341
.950		-.3062		
.951	-.0491			
.966	-.0436			

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBVT29) (24 APR 74)

REFERENCE DATA

WREF = 2690.0000 SQ.FT. WREF = 953.0000 IN.
 LREF = 1328.0000 IN. WREF = .0000 IN.
 BREF = 1328.0000 IN. WREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 STPR = 1.750
 POWER = 1.000 G1-VAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.970 RNL = 1.444 PTO = 696.889 PO = 176.556 TPO = 83.223

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2783 .3034 .3499
 .250 -.0805 -.0174
 .362 -.0434
 .400
 .419 -.1310 -.2014
 .550 -.1802 -.1901
 .600
 .697 .0000
 .700
 .725 -.0561 -.2316
 .750
 .806 -.0126 -.2650
 .850 -.0015
 .920 .0000 -.1964
 .950 .1041
 .951 .0703
 .966 -.0637

MACH (1) = 1.550 ALPHA (2) = -5.940 RNL = 1.444 PTO = 696.889 PO = 176.556 TPO = 83.223

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2332 .2721 .3060
 .250 -.1226 -.0604
 .362 -.0683
 .400
 .419 -.1631 -.2299
 .550 -.2263 -.2349
 .600
 .697 .0000
 .700
 .725 -.0600 -.2701
 .750
 .806 -.0335 -.3047
 .850 -.0709

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TCP WING) 11

(RBVT29)

MACH (1) = 1.550 ALPHA (2) = -5.940

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
.900 .0000
.950 .0290
.951 .0374
.966 -.0775
-2303

MACH (1) = 1.550 ALPHA (3) = -3.980 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
.050 .1783 .2232 .2688
.25C -.1657 -.1244
.362 -.0846
.400
.419 -.1909
.550 -.2588 -.2693
.600
.697 .0000
.700
.725 -.3036
.750
.806
.850
.900
.950
.951
.966 -.0679
-2953
-3339
-1238
-0370
-2567

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
.050
.250
.362 -.1040
.400
.419
.550
.600
.697 .0000
.1141 .1745 .2216
-.2057 -.1954
-2523
-2218
-2875 -.3093
-3382

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 11

(RBVT29)

MACH (1) = 1.550 ALPHA (4) = -1.980

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 1.550 ALPHA (5) = .030

RNL = 1.444

PTO = 696.889

PO = 176.556

TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF T1 S1 (TOP WING) 11 (RBVT29)

MACH (1) = 1.550 ALPHA (6) = 1.970 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0254	-.1179	.1405
.250	-.3153	-.2576	
.362	-.1676		
.400		.0788	
.419	-.3071		
.550	-.3518	-.4020	
.600			-.3836
.697	.0000		
.700		-.4196	
.725	-.0890		-.4411
.750		-.1824	
.806		-.2741	
.850	.0000		-.3192
.900		-.1722	
.951	-.0371		
.966	-.0784		

MACH (1) = 1.550 ALPHA (7) = 4.020 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0216	-.1372	.1046
.250	-.3540	-.2919	
.362	-.1598		
.400		.0320	
.419	-.3071		
.550	-.3882	-.4298	
.600			-.3947
.697	.0000		
.700		-.4388	
.725	-.2612		-.4382
.750		-.3765	
.806	-.2836		
.850		-.3765	
.900	.0000		-.3554
.950		-.2461	
.951	-.0608		
.966	-.0466		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP MING) 11

(RBT29)

MACH (1) = 1.550 ALPHA (8) = 6.010 RNL = 1.444 PTO = 696.889 PO = 176.556 TTD = 83.889

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.450
.419
.550
.620
.697
.700
.725
.750
.856
.890
.920
.950
.951
.966
-0.0591
-0.1075
-0.3770
-0.3262
-0.2672
-0.3230
-0.4187
-0.4365
-0.3646
-0.4193
-0.3399
-0.4048
-0.4193
-0.0000
-0.3218
-0.3874
-0.0597
-0.0252

MACH (1) = 1.550 ALPHA (9) = 8.010 RNL = 1.444 PTO = 696.889 PO = 176.556 TTD = 83.889

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.450
.419
.550
.620
.697
.700
.725
.750
.856
.890
.920
.950
.951
.966
-0.1234
-0.2620
-0.4271
-0.3974
-0.3067
-0.3679
-0.4552
-0.4370
-0.3888
-0.4472
-0.4111
-0.4312
-0.2902
-0.4478
-0.0000
-0.3891
-0.4257
-0.0871
-0.0174

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBVT33) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CPR = .409 SRMR = 2.128
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.580 RNL = 1.246 PTO = 696.889 PO = 89.000 TPO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2583 .3022 .3600
 .250 -.0551 -.0061
 .362 -.0036 -.0721
 .400 -.0899 -.1518 -.1420
 .419 .0000
 .550 -.1758
 .600 -.1062
 .697 -.0278
 .700 -.1510
 .725 -.0445
 .750 -.1285
 .806
 .850
 .900
 .950
 .951 .0704
 .966 .0004

MACH (1) = 2.001 ALPHA (2) = -5.580 RNL = 1.246 PTO = 696.889 PO = 89.000 TPO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1989 .2382 .3215
 .250 -.0952 -.0426
 .362 -.0381 -.0616
 .400 -.1310
 .419 -.1852 -.1723
 .550 .0000
 .600
 .697
 .700
 .725
 .750
 .806
 .850

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

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(RBVT30)

ARC 97-710 1A128 O1 T1 S1 (TOP WING) 11

MACH (1) = 2.001 ALPHA (2) = -3.580

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.0000	-.1593
.950	-.0508	
.951	.0213	
.966	-.0135	

MACH (1) = 2.001 ALPHA (3) = -3.580 RNW = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1907	.1258	.2874
.250	-.1238	-.0753	
.362	-.0642		
.400		-.1085	
.419	-.1433		
.550		-.2034	-.1940
.630			-.1720
.697	.0000	-.2212	
.700		-.1191	
.725			-.2276
.750	-.0942		
.806		-.2036	-.1807
.850		-.1298	
.900			
.951	.0103		
.966	-.0016		

MACH (1) = 2.001 ALPHA (4) = -1.560 RNW = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0910	-.0716	.2820
.250	-.1784	-.1040	
.362	-.0880		
.400		-.1084	
.419	-.1677		
.550		-.2232	-.2121
.630			-.1851
.697	.0000		



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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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(RBVT30)

ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

MACH (1) = 2.001 ALPHA (4) = -1.560

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2311

.725 .0191

.750 -.2384

.806 -.1297

.850 -.2030

.900 .0000

.950 -.1466

.951 -.0174

.966 -.0059

-.1930

MACH (1) = 2.001 ALPHA (5) = .420 RNL = 1.246 PTO = 696.889 PO = 89.000 TPO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.250

.362

.400

.419

.550

.600

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966

.2536

-.1235

.0432

-.2047

.1418

-.2394

-.2473

-.1988

-.2458

.0036

-.2450

-.1873

-.2255

.0000

-.1875

-.2108

-.0420

-.0057

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 100

ARC 97-710 1A128 Q2 T1 S1 (TOP WING) 11

(RBVT30)

MACH (1) = 2.001 ALPHA (6) = 2.420 RNL = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0279 -.1641 .2274
 .250 -.2516 -.1460
 .362 -.1204
 .400 -.1451
 .419 -.2097
 .550 -.2492 -.2746
 .600 -.2104
 .697 .0000
 .700 -.2743
 .725 -.1641
 .750 -.2532
 .806 -.2136
 .850 -.2597
 .900 .0000
 .920 -.2175
 .950 -.2256
 .951 -.0679
 .966 -.0150

MACH (1) = 2.001 ALPHA (7) = 4.460

RNL = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0243 .1053 .1875
 .250 -.2646 -.1656
 .362 -.1361
 .400 -.1783
 .419 -.2503
 .550 -.2678 -.2804
 .600 -.2230
 .697 .0000
 .700 -.2636
 .725 -.1634
 .750 -.2524
 .806 -.2504
 .850 -.2670
 .900 .0000
 .920 -.2342
 .950 -.2516
 .951 -.1039
 .966 -.0115

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(RBVT30)

MACH (1) = 2.001 ALPHA (8) = 6.380 RNL = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0054 .0751 .1604
 .290 .2710 -.1891
 .362 -.1504
 .400 .2147
 .419 -.2851
 .550 -.2925 -.2817
 .600 .2214
 .697 .0000
 .700 .2714
 .725 -.2089
 .750 -.2551
 .806 -.2845
 .850 -.2755
 .900 .0000
 .950 -.2616
 .951 -.1106
 .966 -.0110

MACH (1) = 2.001 ALPHA (9) = 8.400

RNL = 1.246

PTO = 696.889

PO = 89.000

TTD = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0068 .0423 .1361
 .290 .2748 -.2025
 .362 -.1497
 .400 .2783
 .419 -.2920
 .550 .2788 -.2775
 .600 .2178
 .697 .0000
 .700 .2706
 .725 .2701
 .750 .2568
 .806 .2930
 .850 .2731
 .900 .0000
 .950 .2666
 .951 .1324
 .966 .0134

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBVT31) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SERPR = 1.245
 POWER = 1.000 G1MCAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.630 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTD = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2734 .0204 .3614
 .250 -.0439 .0094
 .362 .0048 .3118
 .400 .0794
 .419 -.0794
 .550 -.1335 -.1365
 .600 -.1315
 .697 .0000
 .700 -.1364
 .725 .0109
 .750 -.1721
 .806 -.0427
 .850 -.1417
 .900 .0000
 .920 -.0252
 .951 -.1275
 .966 .0845

MACH (1) = 2.001 ALPHA (2) = -5.580 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTD = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2205 -.0237 .3191
 .250 -.0788 -.0322
 .362 -.0440 .2444
 .400 .0797
 .419 -.1097
 .550 -.0788 -.1237
 .600 -.1670
 .697 .0000
 .700 -.1608
 .725 -.1219
 .750 -.2001
 .806 -.0866
 .850 -.1714

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI TI SI (TOP WING) 11

(R8VT31)

MACH (1) = 2.001 ALPHA (2) = -5.580

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920 .0000 -.1653
 .950 .0798
 .951 .0522
 .966 -.0097

MACH (1) = 2.001 ALPHA (3) = -3.610 RNL = 1.977 PTO = 1127.444 PO = 144.000 TPO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1646 -.0598 .2856
 .250 -.1167 -.0632
 .362 -.0489 .0114
 .400 -.1340 -.1161 -.1858
 .419 .0114
 .550 .0114
 .600 .0114
 .697 .0114
 .700 .0114
 .725 .0114
 .750 .0114
 .806 .0114
 .850 .0114
 .900 .0114
 .950 .0114
 .951 .0114
 .966 .0114

MACH (1) = 2.001 ALPHA (4) = -1.550 RNL = 1.977 PTO = 1127.444 PO = 144.000 TPO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1174 .0059 .2703
 .250 -.1588 -.1026
 .362 -.0735
 .400 .0114
 .419 .0114
 .550 .0114
 .600 .0114
 .697 .0114

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 11

(RBVT31)

MACH (1) = 2.001 ALPHA (4) = -1.550

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 2.001 ALPHA (5) = .350

RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOF MING) 11 (RBVT311)

MACH (1) = 2.001 ALPHA (6) = 2.400 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
M/C						
.090			.0701	-.1228		.2326
.290			-.2254		-.1323	
.362	-.0970					
.400				-.1310		
.419		-.1966				
.590			-.2248	-.2627		-.2190
.600						
.697	.0000					
.700			-.1537		-.2620	
.725						
.750					-.2764	
.806		-.1946				
.890			-.2678			
.900			.0000			-.2167
.950				-.1727		
.951		-.0460				
.966	.0098					

MACH (1) = 2.001 ALPHA (7) = 4.440 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
M/C						
.090			.0414	-.1710		.1948
.290			-.2461		.1587	
.362	-.1140					
.400				.1028		
.419		-.2220				
.590			-.2461	-.2147		-.2357
.600						
.697	.0000					
.700			-.2871			
.725			.0294			
.750						
.806		-.2230				-.2894
.890				-.2722		
.900			.0000			-.2265
.950				-.1806		
.951		-.0985				
.966	.0085					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OZ T1 S1 (TOP WING) 11

(RBVT31)

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.977 PTO = 1127.444 PO = 144.000 YTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0403	-.1991		.1635
.250	-.2467		-.1751	
.362	-.1331			
.400		.0827		
.419	-.2156			
.550	-.3026	-.2135		
.600			-.2414	
.697	.0000			
.700		-.2720		
.725	-.1066		-.2692	
.750				
.806	-.2506			
.850		-.2817		
.900	.0000	-.2106	-.2380	
.950				
.951	-.1224			
.966	.0270			

MACH (1) = 2.001 ALPHA (9) = 8.420 RNL = 1.977 PTO = 1127.444 PO = 144.000 YTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0343	-.2557		.1391
.250	-.2495		-.1914	
.362	-.1360			
.400		.0632		
.419	-.2605			
.550	-.2501	-.2851		
.600			-.2485	
.697	.0000			
.700		-.2864		
.725	-.1943		-.2722	
.750				
.806	-.2599			
.850		-.2869		
.900	.0000		-.2440	
.950		-.2511		
.951	-.1242			
.966	.0330			

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(RBVT32) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.960 RNL = 3.943 PTO = 2119.889 PO = 537.000 TPO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2626 .3103 .3418
 .250 -.0743 -.0217
 .362 -.0137
 .400 -.1556
 .419 -.1203
 .550 -.1812 -.1973
 .600 -.2309
 .697 -.0426
 .700
 .725 -.2225
 .750 -.0180
 .806 .0180
 .850 -.0002
 .900 .0733
 .950 .1057
 .951 .0940
 .966 .0603

MACH (1) = 1.550 ALPHA (2) = -6.000 RNL = 3.943 PTO = 2119.889 PO = 537.000 TPO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2235 .2720 .3074
 .250 -.1074 -.0675
 .362 -.0463
 .400 -.1860
 .419 -.1398
 .550 -.2107 -.2249
 .600 -.2665
 .697 -.0932
 .700
 .725 -.2587
 .750 -.0863
 .806 -.2949
 .850 -.0063
 .966 -.0613

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBT32)

MACH (1) = 1.550 ALPHA (2) = -6.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920 .0464 -.2337
 .950 .0275
 .951 .0657
 .966 .0517

MACH (1) = 1.550 ALPHA (3) = -3.990 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1833 .2335 .2651
 .250 -.1523 -.1247
 .362 -.0638
 .400 -.2289
 .419 -.1833
 .550 -.2427 -.2647
 .600 -.2962
 .697 -.1267
 .700 -.2951
 .725 -.1493
 .750 -.3313
 .806 -.0363
 .850 -.1108
 .900 .0141
 .950 -.0449
 .951 .0336
 .966 .0203

MACH (1) = 1.550 ALPHA (4) = -2.000 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1189 .1873 .2244
 .250 -.1904 -.1841
 .362 -.0865
 .400 -.2644
 .419 -.2109
 .550 -.2736 -.3031
 .600 -.3340
 .697 -.1600

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOF MING) 11

(RBVT32)

MACH (1) = 1.550 ALPHA (4) = -2.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.3264
.725	-.1823
.750	-.3628
.806	-.0659
.850	-.1561
.900	-.0240
.950	-.0976
.951	-.2551
.966	.0102
	-.0026

MACH (1) = 1.550 ALPHA (5) = .030 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0783	.1436	.1937
.250	-.2303	-.2171	
.362	-.1002		
.400		-.3192	
.419	-.2372	-.3411	
.530			-.3680
.600			
.697	-.1856	-.3639	
.700			
.725	-.2231	-.3921	
.750			
.806	-.0905		
.850		-.2059	-.2876
.900	-.0708	-.1398	
.950			
.951	.0056		
.966	-.0133		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

(RBVT32)

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0227 .0873 .1436

.250 .3050 -.2437

.362 -.1262

.400 -.3508

.419 -.2840

.550 -.3432 -.3921

.600 .697 -.2403 -.3784

.700 .725

.750 -.2708 -.4024

.806 -.1404 -.4299

.850 .930

.950 -.1215 -.2290

.951 -.1760 -.3149

.966 -.0086

-.0184

MACH (1) = 1.550 ALPHA (7) = 4.050 RNL = .943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0207 .0425 .1026

.250 .3234 -.2752

.362 -.1424

.400 -.3794

.419 -.2952

.550 -.3595 -.4207

.600 .697 -.2586 -.3945

.700 .725

.750 -.2922 -.4449

.806 -.1696 -.4417

.850 .930

.950 -.1712 -.2622

.951 -.2206 -.3484

.966 -.0304

-.0236



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 SL (TOP WING) 21

(RBVT33) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -8.320 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTD = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .966
 .966

-.0355 .0580 .0952
 -.1844 -.2338
 -.2603
 -.2500 -.2802
 -.3445
 -.2877
 -.1359
 -.1214
 -.1265
 -.0852
 -.0418
 -.0652
 -.0635

MACH (1) = 1.550 BETA (2) = -6.290 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTD = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850

.0147 .0798 .1179
 -.2008 -.2338
 -.2720
 -.2542 -.2899
 -.3553
 -.3103
 -.1578
 -.3514
 -.1084
 -.1356

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF T1 S1 (TOP WING) 21

(RBVT33)

MACH (1) = 1.550 BETA (2) = -6.290

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 -.0765 -.2513
 .950 -.0587
 .951 -.0513
 .966 -.0563

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0351 .1084 .1385
 .250 -.2146 -.2338
 .362 -.0918 -.2061
 .400 -.2074 -.2672 -.3109
 .419 -.3668
 .550
 .600
 .697 -.1476
 .700
 .725 -.1799 -.3254
 .750 -.3717
 .806 -.0947 -.1547
 .850 -.0560 -.2643
 .900 -.0935
 .950
 .951 -.0300
 .966 -.0442

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0717 .1270 .1708
 .250 -.2165 -.2239
 .362 -.0973 -.2890
 .400 -.2095
 .419 -.2784 -.3248
 .550
 .600
 .697 -.1465
 .9631

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 114

ARC 97-710 1A12B OL T1 S1 (TOF WING) 21

(RBVT33)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.700 -.3397

.725 -.1911

.750 -.3803

.806 -.0896

.850 -.1707

.900 -.0548

.950 -.1129

.951 -.0178

.966 -.0308

-.2832

MACH (1) = 1.550 BETA (5) = -.210

RNL = 3.926

P70 = 2120.000

P0 = 536.889

T70 = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050

.250

.362 -.1127

.400

.419

.530

.600

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966 -.0207

.0736 .1509

-.2384

-.2155

-.2436

-.3075

-.3048

-.3364

-.3625

-.1951

-.3583

-.2234

-.0955

-.3869

-.2015

-.0677

-.1392

-.0155

-.2840



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 115

ARC 97-710 1A12B OI TI SI (TOR WING) 21

(RBT33)

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0697 .1432 .2177
 .250 .2671 -.2041
 .362 -.1046
 .400
 .419 7.2505
 .550
 .620
 .697
 .720
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 .2196
 .3134
 .3449
 .3566
 .3715
 .2356
 .1075
 .2146
 .0699
 .1389
 .0113
 .0007
 .4079
 .2826

MACH (1) = 1.550 BETA (7) = 3.860 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0803 .1440 .2268
 .250 .2734 -.1972
 .362 -.0772
 .400
 .419
 .550
 .620
 .697
 .720
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 .2405
 .3165
 .3681
 .3260
 .3876
 .2850
 .1107
 .1112
 .0442
 .0400
 .3510
 .4069
 .2437
 .1407
 .2744

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 116

ARC 97-710 1A128 OR T1 S1 (TOP WING) 21

(RBVT33)

MACH (1) = 1.550 BETA (0) = 5.900 RNL = 3.926 PTO = 2120.000 PO = 536.889 T70 = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0906 .1607 .2470
 .250 .2785 -.1935
 .362 -.0587
 .400 .3220
 .419 -.2536
 .500 .3296 .3740
 .600 .3453
 .697 -.2161
 .700 .4050
 .725 .2963
 .750 .4048
 .806 .1230
 .835 .2318
 .900 .1152
 .950 .1467
 .951 .0496
 .966 .0889

MACH (1) = 1.550 BETA (9) = 7.930 RNL = 3.926 PTO = 2120.000 PO = 536.889 T70 = 131.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0955 .1743 .2634
 .250 .2760 .1886
 .362 -.0412
 .400 .3117
 .419 .2582
 .500 .3387 .3725
 .600 .3379
 .697 .2162
 .700 .4079
 .725 .2988
 .750 .4014
 .806 .1252
 .835 .2099
 .900 .1212
 .950 .1548
 .951 .0636
 .966 .1038

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 11

(RBVT34) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. WARP = 953.0000 IN.
 LREF = 1328.0000 IN. YWARP = .0000 IN.
 BREF = 1328.0000 IN. ZWARP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDER = 10.000
 POWER = .000 CINGAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.520 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.689

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2740 .3237 .3655
 .250 .0308 .0066
 .362 .0214
 .400 .0867
 .419 -.0555
 .550 -.1289 -.1316
 .600 -.1319
 .697 -.0505
 .700 -.1594
 .725 -.1388
 .750 -.1702
 .806 .0075
 .850 -.1377
 .900 .0316
 .950 -.0220
 .951 .1060
 .966 .0946

MACH (1) = 2.001 ALPHA (2) = -5.540 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.689

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2074 .2614 .3276
 .250 -.0775 -.0284
 .362 -.0191
 .400 .1180
 .419 -.1035
 .550 -.1620 -.1575
 .600 -.1620
 .697 -.1029
 .700 -.1835
 .725 -.1620
 .750 -.1931
 .806 -.0477
 .850 -.1630

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOP WING) 11

(RBVT34)

MACH (1) = 2.001 ALPHA (4) = -1.540

SECTION (1) WING

DEPENDENT VARIABLE CR

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.2217
.725	-.1877
.750	-.2399
.806	-.0892
.850	-.2011
.900	-.0666
.950	-.1871
.951	-.1095
.966	.0195
.966	.0197

MACH (1) = 2.001 ALPHA (5) = .440

RNL = 3.432

PTO = 2117.667

FO = 270.111

TTO = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0753	.1638	.2594
.250	-.1827	-.1105	
.362	-.0658		
.400		-.1999	
.419	-.1590	-.2105	-.2371
.550			
.600			-.2165
.697	-.1374		
.700		-.2537	
.725	-.2042		
.750			-.2582
.806	-.1187		
.850		-.2274	
.900		-.0913	-.2024
.950		-.1296	
.951	-.0057		
.966	-.0051		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 120

ARC 97-710 1A12B 01 T1 S1 (TOP WING) 11

(EBVT34)

MACH (1) = 2.001 ALPHA (6) = 2.450 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTD = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0743	.1453		.2333
.290	-.2064		-.1244	
.362	-.0790			
.400		-.2200		
.419	-.1722			
.550		-.2273	-.2534	
.600				-.2268
.697	-.1452		-.2756	
.700		-.2182		
.725				-.2731
.793	-.1381			
.806		-.2645		
.890		-.1244		-.2075
.900			-.1319	
.950				
.951	-.0253			
.966	-.0127			

MACH (1) = 2.001 ALPHA (7) = 4.440 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTD = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0556	.1212		.1978
.290	-.2229		-.1490	
.362	-.0913			
.400		-.2308		
.419	-.2305			
.550		-.2666	-.2645	
.600				-.2401
.697	-.1691			
.700		-.2847		
.725		-.2312		
.790			-.2813	
.806	-.1692			
.850		-.2490		
.900		-.1682		-.2200
.950			-.1436	
.951	-.0726			
.966	-.0205			

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 121

ARC 97-710 1A128 OI T1 S1 (TOP WING) 11 (RBVT34)

MACH (1) = 2.001 ALPHA (8) = 6.450 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0430	.0590	.1682
.250	-.2315	-.1707	
.362	-.1067		
.400		-.2446	
.419	-.2249		
.550	-.2920	-.2749	
.600			-.2487
.697	-.1880		
.700		-.2943	
.725	-.2644		
.750			-.2909
.806	-.1955		
.850		-.2761	
.900	-.1970		-.2293
.950		-.1682	
.951	-.1146		
.966	.0047		

MACH (1) = 2.001 ALPHA (9) = 8.480 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0344	.0826	.1390
.250	-.2390	-.1851	
.362	-.1269		
.400		-.2514	
.419	-.2457		
.550	-.3034	-.2799	
.600			-.2559
.697	-.2143		
.700		-.2986	
.725	-.2756		
.750			-.2938
.806	-.2168		
.850		-.2770	
.900	-.2206		-.2412
.950		-.1841	
.951	-.1430		
.966	.0041		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON TI SI (TOP WING) 21

(RBVT35) (14 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .0000 RUDDER = 10.0000
 POWER = .0000 GIMBAL = 1.0000

MACH (1) = 2.001 BETA (1) = -8.350 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0422 .0874 .1404
 .250 -.1371 -.1243
 .362 -.0745
 .400
 .419 -.1673
 .530 -.1417
 .550 -.1805 -.2041
 .600
 .697 -.1421
 .700
 .725 -.2145
 .730 -.1845
 .806 -.0776
 .850 -.1581
 .900 -.0547
 .950 -.0822
 .951 -.0360
 .966 -.0327
 -.2218
 -.2408
 -.2086

MACH (1) = 2.001 BETA (2) = -6.320 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0033 .0960 .1419
 .250 -.1470 -.1226
 .362 -.0677
 .400
 .419 -.1965
 .530 -.1400
 .550 -.1845 -.2096
 .600
 .697 -.1421
 .700
 .725 -.2225
 .750 -.1822
 .806 -.0911
 .850 -.1811
 -.2433
 -.2169

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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(RBVT35)

ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 21

MACH (1) = 2.001 BETA (2) = -6.320

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920
.950
.951
.966
-.0737
-.0932
-.0340
-.0370
-.2078

MACH (1) = 2.001 BETA (3) = -4.290 RNL = 3.443 PTO = 2119.667 PO = 271.000 TPO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966
.0430
-.1523
-.0498
-.1430
-.1976
-.2144
-.2306
-.1969
-.1065
-.0877
-.0271
-.0221
.1021
-.1154
-.2036
-.2140
-.2491
-.2107
-.1050
-.2005
-.2140

MACH (1) = 2.001 BETA (4) = -2.270 RNL = 3.443 PTO = 2119.667 PO = 271.000 TPO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.400
.419
.550
.600
.697
.0566
-.1777
-.0650
-.1455
-.1999
-.2031
-.2274
-.2218
-.1239
-.2202

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1 (TOP WING) 21

(RBVT35)

MACH (1) = 2.001 BETA (4) = -2.270

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2346
 .725 -.1948
 .750 -.2550
 .806 -.1023
 .850 -.2133
 .900 -.0925
 .950 -.1108
 .951 -.0218
 .966 -.0216

-.2024

MACH (1) = 2.001 BETA (5) = -.240

RNL = 3.443

PTO = 2119.667

PO

= 271.000

TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0719 .1639 .2577
 .250 -.1848 -.1094
 .362 -.0666
 .400 -.2058
 .419 -.1630
 .550 -.2164 -.2364
 .600 -.2056
 .697 -.1393
 .700 -.2521
 .725 -.2567
 .750 -.2567
 .806 -.1202
 .850 -.2264
 .900 -.0981
 .950 -.1268
 .951 -.0127
 .966 -.0087

-.2039

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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MACH (1) = 2.001 BETA (6) = 1.780 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTD = 117.111
 SECTION (1)MING (R8VT35)

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1160 .2023 .2951
 .250 -.1781 -.0912
 .062 -.0535
 .400 -.1987
 .419 -.1693
 .550 -.2268 -.2369
 .600
 .697 -.1325
 .700 -.2640
 .725 -.2138
 .750 -.2526
 .806
 .850 -.2529
 .900 -.0965
 .950 -.1216
 .951 -.0022
 .966 .0222

-2042

-1929

MACH (1) = 2.001 BETA (7) = 3.800 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTD = 117.111
 SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1600 .2335 .3271
 .250 -.1681 -.0780
 .362 -.0561
 .400 -.1899
 .419 -.1731
 .550 -.2334 -.2290
 .600
 .697 -.1420
 .700
 .725 -.2276
 .750 -.2576
 .806
 .850 -.2497
 .900 -.2537
 .950 -.1006
 .951 -.1341
 .966 .0597

-1977

-1802

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP MING) 21

(RBT355)

MACH (1) = 2.001 BETA (8) = 5.830 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7850 .8870

X/C

.050	.1964	.2629	.3604
.250	-.1604	-.0637	
.362	-.0138		
.400		-.1825	
.419	-.1764	-.2201	
.550	-.2429	-.1865	
.600			
.697	-.1257		
.700		-.2511	
.725	-.2327		
.750		-.2441	
.806	-.1180		
.850		-.2485	
.900	-.1007	-.1673	
.950		-.1881	
.951	-.0319		
.966			

MACH (1) = 2.001 BETA (9) = 7.860 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.2254	.2928	.3904
.250	-.1444	-.0481	
.362	.0258		
.400		-.1741	
.419	-.1652	-.2112	
.550	-.2386	-.1776	
.600			
.697	-.1147		
.700		-.2435	
.725	-.2275		
.750		-.2354	
.806	-.0982		
.850		-.2410	
.900	-.0879	-.1531	
.950		-.1890	
.951	-.0219		
.966			



TABULATED SOURCE DATA - ARC 97-710 - 1A12B

DATE 13 JUN 74

(RBVT36) (04 APR 74)

ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 11

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 OPR = .409 SRMR = .557
 POWER = 1.000 GIMBAL = 1.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 490.0000 IN.
 SCALE = .0190 SCALE

MACH (1) = 2.001 ALPHA (1) = -7.570 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .090 .2718 .3213 .3623
 .290 -.0299 .0162
 .362 .0234
 .400
 .419 -.0671
 .550 -.1314 -.1354
 .600
 .697 -.0580
 .700
 .725 -.1433
 .750
 .806 -.0021
 .850 -.1395
 .900 .0222
 .950 -.0269
 .951 .1020
 .966 .0698

-1338

-1724

-1213

MACH (1) = 2.001 ALPHA (2) = -5.580 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .090 .2185 .2578 .3271
 .250 -.0702 -.0301
 .362 -.0063
 .400
 .419 -.0958
 .550 -.1598 -.1586
 .600
 .697 -.0672
 .700
 .725 -.1662
 .750
 .806 -.0443
 .850 -.1658

-1630

-1860

-1959

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ~ T1 S1 (TOP WING) 11

(RBVT36)

MACH (1) = 2.001 ALPHA (2) = -5.580

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.0231	-.1555
.950	-.0700	
.951	.0653	
.966	.0350	

MACH (1) = 2.001 ALPHA (3) = -3.570 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1611	.2013	.2875
.250	-.1100	-.0618	
.362	-.0363		
.400		-.1558	
.419	-.1254		
.550	-.1781	-.1821	
.600			-.1868
.697	-.1121		
.700		-.2068	
.725	-.1844		
.750		-.2210	
.806	-.0748		
.850		-.1890	
.900	.0313		-.1810
.950		-.1109	
.951	.0354		
.966	.0322		

MACH (1) = 2.001 ALPHA (4) = -1.600 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1142	.1549	.2736
.250	-.1559	-.0964	
.362	-.0528		
.400		-.1868	
.419	-.1422		
.550	-.1946	.2082	
.600			-.2017
.697	-.1181		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(RBVT36)

MACH (1) = 2.001 ALPHA (4) = -1.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -1.2236
 .725 -1.1924
 .750 -1.2416
 .806 -1.0866
 .850 -1.2036
 .900 -1.0726
 .950 -1.1107
 .951 .0188
 .966 .0193

-1.1913

MACH (1) = 2.001 ALPHA (5) = .450

RNL = 3.619

PTO = 2241.444

PO = 286.111

TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0702 .1611 .2554
 .250 -1.1832 -1.1104
 .362 -1.0820
 .400 -1.1615 -1.2062
 .419 -1.2117 -1.2369
 .550 -1.1478 -1.2531
 .600 -1.2040 -1.2564
 .697 -1.1204 -1.2277
 .700 -1.0934 -1.1263
 .725 -1.2564
 .750 -1.2054
 .806 -1.0160
 .850 -1.0055
 .900
 .950
 .951
 .966

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SL (TOP WING) 11

(RBVT36)

MACH (1) = 2.001 ALPHA (6) = 2.460 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTD = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0699 .1451 .2315
 .250 .2098 -.1241
 .362 -.0861
 .400
 .419 -.2288
 .550 -.1804
 .600 -.2300 -.2514
 .697 -.1542
 .700
 .725 -.2178
 .750 -.2744
 .806 -.1459
 .850 -.2630
 .900 -.1292
 .950 -.1295
 .951 -.0337
 .966 -.0202

-.2272

-.2713

-.2086

MACH (1) = 2.001

ALPHA (7) = 4.460

RNL = 3.619

PTO = 2241.444

PO = 286.111

TTD = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0543 .1201 .1990
 .250 .2261 -.1503
 .362 -.0924
 .400
 .419 -.2409
 .550 -.2721 -.2666
 .600
 .697 -.1681
 .700
 .725 -.2334
 .750
 .806 -.2827
 .850 -.1707
 .900 -.2487
 .950 -.1686
 .951 -.1465
 .966 -.0771

-.2394

-.2827

-.2183

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(88VT36)

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0402	.0998	.1673
.250	-.2413		-.1701
.362	-.1235		
.400		-.2514	
.419	-.2370		
.550		-.3038	-.2764
.600			
.697	-.2014		-.2541
.700		-.2956	
.725		-.2658	
.750			-.2911
.806	-.2049		
.850		-.2767	
.900	-.2282		-.2343
.950		-.1683	
.951	-.1302		
.966	-.0077		

MACH (1) = 2.001 ALPHA (9) = 8.490 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0329	.0766	.1389
.250	-.2409		-.1879
.362	-.1172		
.400		-.2615	
.419	-.2497		
.550		-.2996	-.2844
.600			
.697	-.2032		-.2581
.700		-.3033	
.725		-.2808	
.750			-.2977
.806	-.2222		
.850		-.2818	
.900		-.2398	-.2450
.950		-.1874	
.951	-.1463		
.966	.0051		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 21

(RBVT37) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = 10.000
 OFR = .409 SERPR = .557
 POWER = 1.000 GINSAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.350 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTD = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 .0364

-.0366 .0800 .1360
 -.1343 -.1257
 -.1694
 -.1492
 -.1802 -.2060
 -.1509
 -.2158
 -.1671
 -.0779
 -.1614
 -.0584
 -.0771
 -.0336
 -.2275
 -.2143
 -.2416

MACH (1) = 2.001 BETA (2) = -6.350 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTD = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850

.0001 .0932 .1350
 -.1480 -.1235
 -.2020
 -.1499
 -.1930 -.2125
 -.1472
 -.2264
 -.1672
 -.1011
 -.2447
 -.1841
 -.2248

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 21

(88VT37)

MACH (1) = 2.051 BETA (2) = -6.330

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920	-.0741	-.2161
.950	-.0922	
.951	-.0398	
.966	-.0393	

MACH (1) = 2.001 BETA (3) = -4.300 RNL = 3.612 PTO = 2235.333 PO = 285.111 TPO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0415	.1017	.1776
.250	.1595	-.1172	
.362	-.0326	-.2064	
.400		-.1535	
.419	-.2078	-.2165	
.555			-.2208
.697	-.1356	-.2317	
.700		-.1977	
.725			-.2496
.750	-.1155	-.2108	
.806	-.0894	-.1027	-.2074
.850			
.900	-.0345		
.951	-.0260		
.966			

MACH (1) = 2.001 BETA (4) = -2.270 RNL = 3.612 PTO = 2235.333 PO = 285.111 TPO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0600	.1076	.2174
.250	-.1769	-.1235	
.362	-.0717	-.2032	
.400		-.1525	
.419	-.2062	-.2283	
.555			1.2255
.697	-.1349		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 21

(R3VT37)

MACH (1) = 2.001 BETA (4) = -2.270

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.2365
 .725 -.1968
 .750 -.2541
 .806 -.1111
 .855 -.2126
 .900 -.0999
 .950 -.1087
 .951 -.2082
 .966 -.0205
 .966 -.0223

MACH (1) = 2.001 BETA (5) = -.240 RNL = 3.612 PTO = 2235.333 PO = 285.111 TPO = 119.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0755 .1615 .2565
 .250 .362 -.1853 -.1103
 .400 .419 -.2064
 .550 .597 -.1999 -.2177 -.2363
 .697 -.1457
 .700 .725 -.2527
 .750 .806 -.2046
 .850 .900 -.1171
 .950 .951 -.2274
 .966 -.0922
 .966 -.0123
 .966 -.0220

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 21

(RBVT37)

MACH (1) = 2.001 BETA (6) = 1.780 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1096	.2015		.2950
.250			-.1852		-.0911	
.362	-.0596					
.400				-.2006		
.419		-.1751				
.550			-.2334	-.2367		
.600						-.2069
.697	-.1377					
.700				-.2630		
.725			-.2140			
.750					-.2530	
.806		-.1239				
.850			-.2523			
.900			-.0990			-.1948
.950			-.1192			
.951		.0011				
.966	.0193					

MACH (1) = 2.001 BETA (7) = 3.800 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1569	.2349		.3267
.250			-.1658		-.0772	
.362	-.0428					
.400				-.1918		
.419		-.1841				
.550			-.2311	-.2281		
.600						-.1990
.697	-.1458					
.700				-.2572		
.725			-.2274			
.750					-.2487	
.806		-.1279				
.850			-.2527			
.900			-.1020			-.1808
.950			-.1284			
.951		-.0276				
.966	.0492					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 21

(RBVT37)

MACH (1) = 2.001 BETA (9) = 5.830 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTD = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.2087	.2653	.3622
.250	-.1577	-.0605	
.362	-.0099		
.400		-.1819	
.419	-.1724	-.2184	
.550			-.1866
.600			
.697	-.1262		
.700		-.2494	
.725	-.2314	-.2423	
.750			
.806	-.1157	-.2456	
.850			-.1683
.900	-.1030	-.1865	
.950			
.951	-.0251		
.966			

MACH (1) = 2.001 BETA (9) = 7.870 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTD = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.2350	.2970	.3933
.250	-.1427	-.0459	
.362	.0188		
.400		-.1726	
.419	-.1661	-.2102	
.550			-.1775
.600			
.697	-.1177		
.700		-.2430	
.725	-.2254	-.2334	
.750			
.806	-.1048	-.2399	
.850			-.1527
.900	-.0873	-.1883	
.950			
.951	-.0261		
.966			



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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 71 S1 (TOP WING) 11

(RBVT38) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LRFP = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 OFR = .433 SRNFR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -6.030 RNL = 4.087 PTO = 2234.000 PO = 566.111 T70 = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2453 .2744 .3070
 .250 -.1026 -.0584
 .362 -.1988
 .400 -.1507
 .419 -.2108 -.2275
 .550 -.2602
 .600 -.0826
 .697 -.2957
 .700 -.0141
 .725 -.0600
 .750 .0471
 .806 .0325
 .850 -.2371
 .900
 .950
 .951 .0586
 .966 .0430

MACH (1) = 1.550 ALPHA (2) = -3.990 RNL = 4.087 PTO = 2234.000 PO = 566.111 T70 = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2052 .2342 .2664
 .250 -.1506 -.1185
 .362 -.2366
 .400 -.1791
 .419 -.2459 -.2664
 .550 -.2938
 .600
 .697 -.1224
 .700 -.2956
 .725 -.1473
 .750 -.3313
 .806 -.0367
 .850 -.1101

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(RSVT38)

MACH (1) = 1.550 ALPHA (2) = -3.995

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950	.0174	-.2620
.950	-.0414	
.951	.0408	
.966	.0235	

MACH (1) = 1.550 ALPHA (3) = -2.040 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1372	.1891	.2250
.250	-.1918	-.1786	
.362	-.0826		
.400		-.2716	
.419	-.2095		
.550	-.2736	-.3005	.3302
.600			
.697	-.1557		
.700		-.3257	
.725	-.1790		
.750		-.3619	
.806	-.0637		
.850		-.1547	
.900	-.0218	-.2567	
.950	-.0956		
.951	.0130		
.966	-.0016		

MACH (1) = 1.550 ALPHA (4) = -.030 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0878	.1396	.1936
.250	-.2343	-.2197	
.362	-.1047		
.400		-.3270	
.419	-.2416		
.550	-.3092	-.3426	-.3659
.600			
.697	-.1883		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 S1 (TOP WING) 11

(RBVT38)

MACH (1) = 1.550 ALPHA (4) = -.030

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	
.700	-.3643
.725	-.2243
.750	-.3921
.806	-.0946
.850	-.2063
.900	-.0720
.950	-.1421
.951	-.0010
.966	-.0163

-.2894

MACH (1) = 1.550 ALPHA (5) = 2.000 RNL = 4.087 PTO = 2234.000 PO = 566.111 TPO = 136.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	
.050	.0402
.250	-.3008
.362	-.1263
.400	-.3662
.419	-.2794
.550	-.3477
.600	-.3937
.697	-.2409
.700	-.4071
.725	-.2703
.750	-.1326
.806	-.4346
.850	-.2304
.900	-.1244
.950	-.1786
.951	-.0089
.966	-.0156

.1433

-.2449

-.3786

-.3164

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (TOP WING) 11

(RBVT38)

MACH (1) = 1.550 ALPHA (6) = 3.980 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966
 -.0063
-.3389
-.1433
-.2961
-.3764
-.2594
-.2976
-.1711
-.4475
-.2662
-.1689
-.0256
 .0426
-.2771
-.3862
-.4223
-.4475
-.4452
-.3483

-.3936

MACH (1) = 1.550 ALPHA (7) = 5.980

RNL =

4.087

PTO =

2234.000

PO =

566.111

TTO =

136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966
 -.0408
-.3552
-.1655
-.3107
-.3911
-.2788
-.3472
-.2203
-.4218
 .0099
-.3115
-.4096
-.4374
-.4716
-.4670
-.3039
-.2217
-.2666

-.3932

-.0399

-.0246



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 SL (TOP WING) 11

(RBT38)

MACH (1) = 1.550 ALPHA (8) = 7.950 RNL = 4.587 PTO = 2234.000 PO = 566.111 TTD = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA

.2990 .4270 .5340 .6750 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966

-.0895
-.4014
-.1877
-.3437
-.4331
-.4331
-.4934
-.3834
-.2593
-.2725
-.0360
-.0278

-.0799
-.3792
-.4486
-.4716
-.4934
-.4474
-.3492
-.3060
-.3643

-.0848
-.3792
-.4486
-.4716
-.4934
-.4474
-.3492
-.3060
-.3643

-.4598

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 SL (TOP WING) 21

(RBVT39) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 QFR = .433 SRMR = .469
 POWER = 1.000 GINGAL = 1.000

MACH (1) = 1.550 BETA (1) = -6.340 RNL = 4.078 PTO = 2234.889 PO = 566.333 TPO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CF

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0249 .0556 .0963
 .250 -.1843 -.2344
 .362 -.0970 -.2748
 .400 -.1838 -.2490 -.2843
 .419 -.3423
 .550 -.1768
 .600 -.2915
 .697 -.1379
 .700 -.1166
 .725 -.1299
 .750 -.0862
 .806 -.0461
 .850 -.2468
 .900 -.0627
 .951 -.0634
 .966

MACH (1) = 1.550 BETA (2) = -6.300 RNL = 4.078 PTO = 2234.889 PO = 566.333 TPO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CF

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0165 .0773 .1161
 .250 -.2056 -.2376
 .362 -.0978 -.2861
 .400 -.1931 -.2620 -.2940
 .419 -.3582
 .550 -.1560
 .600 -.3153
 .697 -.1601
 .700 -.1146
 .725 -.3578
 .750 -.1405
 .806
 .850

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (TOP WING) 21

(RBVT39)

MACH (1) = 1.550 BETA (2) = -6.300

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920	1.0669	-0.0614	-0.2529
.950			
.951	-0.0549		
.966	-0.0538		

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0433	.1080	.1385
.250	-0.2267	-0.2361	
.362	-0.1007		
.400		-0.3015	
.419	-0.2140	-0.3127	
.550			-0.3665
.600	-0.1545		
.697		-0.3279	
.700		-0.1847	
.725			-0.3745
.750	-0.1017		
.806		-0.1588	
.850	-0.0562	-0.0992	-0.2688
.900			
.951	-0.0348		
.966	-0.0482		

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0762	.1252	.1719
.250	-0.2275	-0.2259	
.362	-0.1084		
.400		-0.3053	
.419	-0.2217	-0.3006	
.550			-0.3643
.600			
.697	-0.1557		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 21

39)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.3437
 .725 -.1967
 .750 -.3855
 .806 -.0968
 .850 -.1758
 .900 -.0566
 .950 -.1172
 .951 -.2853
 .966 -.0268
 -.0371

MACH (1) = 1.550 BETA (5) = -.200

RNL

= 4.078

P70 = 2234.889

P0 = 566.333

T70 = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0928 .1499 .1993
 .250 -.2342 -.2177
 .362 -.1016
 .400 -.3281
 .419 -.2398
 .550 -.3122 -.3401
 .600 -.3641
 .697 -.1872
 .700 -.3635
 .725 -.2216
 .750 -.3919
 .806 -.0943
 .850 -.2036
 .900 -.0707
 .950 -.1427
 .951 -.2865
 .966 -.0015
 -.0160

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S1 (TOP WING) 21

(RBVT39)

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0859	.1413	.215	
.250			-.2580		-.2075	
.362	-.0978					
.400				-.3490		
.419		-.2446				
.550			-.3169	-.3509		
.600						-.3560
.697	-.2164					
.700			-.3750			
.725			-.2382			
.750					-.4107	
.806	-.1007					
.850			-.2183			
.900		-.0914			-.2837	
.950		-.1421				
.951		.0176				
.966	.0053					

MACH (1) = 1.550 BETA (7) = 3.870 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0834	.1456	.2250	
.250			-.2852		-.2006	
.362	-.0897					
.400				-.3450		
.419		-.2324				
.550		-.3270	-.3711			
.600						-.3515
.697	-.2239					
.700			-.3926			
.725			-.2890			
.750					-.4114	
.806	-.1204					
.850			-.2442			
.900		-.1166			-.2781	
.950		-.1463				
.951		.0360				
.966	.0368					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S1 (TOP WING) 21

(RBVT39)

MACH (1) = 1.550 BETA (0) = 5.900 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTD = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0814	.1571	.2442
.250	-.2888	-.1996	
.362	-.0673		
.400		-.3456	
.419	-.2654		
.550	-.3423	-.3799	
.600			-.3471
.697	-.2259		
.700		-.4110	
.725	-.3009		-.4112
.750			
.806	-.1280		
.850		-.2322	
.900	-.1185		-.2782
.950		-.1525	
.951	.0413		
.966	.0603		

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTD = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1013	.1708	.2609
.250	-.2870	-.1954	
.362	-.0490		
.400		-.3419	
.419	-.2657		
.550	-.3491	-.3780	
.600			-.3411
.697	-.2233		
.700		-.4138	
.725	-.3051		-.4069
.750			
.806	-.1314		
.850		-.2141	
.900	-.1240		-.2744
.950		-.1609	
.951	.0593		
.966	.0967		



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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(BBVT40) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CFR = .409 SRAFR = .557
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.650 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTD = 111.778

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2649 .3196 .3657
 .290 .0259 .0014
 .362 .0341
 .400 .0696
 .419 .0591
 .550 .1231 .1353
 .600 .1411
 .697 .0433
 .700 .1615
 .725 .1368
 .750 .1721
 .806 .0102
 .850 .1375
 .900 .1267
 .950 .0253
 .951 .1131
 .966 .0969

MACH (1) = 2.001 ALPHA (2) = -5.620 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTD = 111.778

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2074 .2592 .3292
 .250 .0691 .0362
 .362 .0036
 .400 .1040
 .419 .0954
 .550 .1551 .1577
 .600 .1697
 .697 .0849
 .700 .1854
 .725 .1634
 .750 .1938
 .806 .0373
 .850 .1642

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(REVT43)

MACH (1) = 2.001 ALPHA (2) = -5.620

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.0739
-.0725
.0762
.0616

-.1541

MACH (1) = 2.001 ALPHA (3) = -3.620 RNL = 3.744 PTO = 2276.444 PO = 290.667 YTO = 111.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966

.1604
-.1012
-.0232
-.1112
-.1718
-.0558
-.1798
-.0600
-.1781
-.0499

.2056
-.0652
-.1375
-.1796
-.2053
-.2178
-.1862
-.1059

.2949
-.1870

MACH (1) = 2.001 ALPHA (4) = -1.610 RNL = 3.744 PTO = 2276.444 PO = 290.667 YTO = 111.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697

.1129
-.1515
-.0511
-.1363
-.1907

.1578
-.1010
-.1595
-.2091

.2780
-.2105

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 11

(RBVT40)

MACH (1) = 2.001 ALPHA (4) = -1.610

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .700 -.2236
 .725 -.1916
 .750 -.2421
 .800 -.0792
 .85 -.2028
 .90 -.1899
 .950 -.1099
 .951 .0268
 .966 .0144

-.1908

MACH (1) = 2.001 ALPHA (5) = .320 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTO = 111.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .090 .0742 .1614 .2557
 .250 -.1776 -.1086
 .362 -.0694
 .400 -.1841
 .419 -.1561
 .550 -.2086 -.2376
 .600 -.2228
 .697 -.1153
 .700 -.2538
 .725 -.2063
 .750 -.2582
 .806 -.1111
 .850 -.2289
 .900 -.2049
 .950 -.1276
 .951 -.0016
 .966 -.0029

-.2092

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (TOF WING) 11

(EBVT40)

MACH (1) = 2.001 ALPHA (6) = 2.410 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTD = 111.773

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0617 .1438 .2285
 .250 -.2112 -.1227
 .362 -.0864
 .400 -.1813 -.1732
 .419 -.2262 -.2531
 .500 -.2303
 .697 -.2763
 .700 -.2195
 .725 -.2724
 .750 -.1492
 .806 -.2650
 .850 -.2186
 .900 -.1283
 .951 -.0311
 .966 -.0285

MACH (1) = 2.001 ALPHA (7) = 4.380 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTD = 111.773

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0531 .1157 .1935
 .250 -.2269 -.1492
 .362 -.0974
 .400 -.2066 -.1898
 .419 -.2705 -.2672
 .500 -.2454
 .697 -.0977
 .700 -.2870
 .725 -.2338
 .750 -.2824
 .806 -.1707
 .850 -.2499
 .900 -.2324
 .951 -.1437
 .966 -.0777
 .0344

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

MACH (1) = 2.001 ALPHA (8) = 6.330 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0475 .0957 .1661
 .250 -.2269 -.1671
 .362 -.1100
 .400
 .419 -.2142
 .550 -.2239
 .600 -.2895 -.2754
 .697 -.1213
 .700
 .725 -.2945
 .750 -.2649
 .806 -.1884
 .850 -.2757
 .900 -.2639
 .950 -.1647
 .951 -.1094
 .966 .0036

-.2532

-.2898

-.2323

MACH (1) = 2.001 ALPHA (9) = 8.350 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0325 .0792 .1402
 .250 -.2370 -.1870
 .362 -.1217
 .400
 .419 -.2205
 .550 -.2447
 .600 -.2997 -.2825
 .697 -.1383
 .700
 .725 -.2775
 .750 -.3013
 .806 -.2139
 .850 -.2809
 .900 -.2760
 .950 -.1842
 .951 -.1372
 .966 -.0253

-.2598

-.2973

-.2456

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(RBVT41) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SEMR = .557
 POWER = 1.000 GINBAL = 2.000

MACH (1) = 2.001 BETA (1) = -8.350 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0469 .0814 .1332
 .250 -.1453 -.1309
 .362 -.0785
 .400 -.1278
 .419 -.1450
 .530 -.1896 -.2068
 .600 -.2368
 .697 -.0824
 .700 -.2172
 .725 -.1884
 .750 -.2416
 .806 -.0792
 .850 -.1586
 .900 -.1877
 .920 -.0810
 .950 -.2195
 .951 -.0399
 .966 -.0416

MACH (1) = 2.001 BETA (2) = -6.330 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0007 .0926 .1366
 .250 -.1477 -.1292
 .362 -.0640
 .400 -.1776
 .419 -.1375
 .530 -.1834 -.2127
 .600 -.2294
 .697 -.0984
 .700 -.2255
 .725 -.1858
 .750 -.2447
 .806 -.0868
 .850 -.1864

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1 (TOP WING) 21

(RBT741)

MACH (1) = 2.001 BETA (2) = -6.330

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.1851
-.0927
-.0331
-.0297

-.2142

MACH (1) = 2.001 BETA (3) = -4.320 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966

-.0469
-.1468
-.0845
-.1983
-.1090
-.1877
-.0245
-.0210

.0455 .1011 .1815
-.1512 -.1211
-.1969
-.1977 -.2167
-.2330
-.2512
-.2115
-.1052
-.2077
-.2274

MACH (1) = 2.001 BETA (4) = -2.270 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697

-.0762
-.1554
-.1877
-.1627
-.2046
-.2283
-.2310

.0469 .1055 .2169
-.1226
-.1082

ARC 97-710 1A12B OL T1 S1 (TOP WING) 21

(RBYT41)

MACH (1) = 2.001 BETA (4) = -2.270

SECTION (1) WING

DEPENDENT VARIABLE CP

CTA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 2.001 BETA (5) = -.250 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(RBVT41)

MACH (1) = 2.001 BETA (6) = 1.780 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1174 .2501 .2911
 .250 -.1789 -.0875
 .362 -.0574
 .403
 .419 -.1816
 .530 -.1683
 .550 -.2235 -.2372
 .600
 .697 -.1062
 .700
 .725 -.2159 -.2648
 .750 -.2532
 .806 -.1164
 .850
 .900 -.2535
 .950 -.1496
 .951 -.1188
 .966 .0052
 .0255

-.2105

-.1976

MACH (1) = 2.001 BETA (7) = 3.810 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1499 .2346 .3257
 .250 -.1669 -.0737
 .362 -.0578
 .400
 .419 -.1739
 .530 -.1817
 .550 -.2330 -.2283
 .600
 .697 -.0606
 .700
 .725 -.2278
 .750 -.2574
 .806 -.2482
 .850
 .900 -.2519
 .950 -.2264
 .951 -.1300
 .966 -.0240
 .0499

-.2039

-.1887

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A128 ON T1 S1 (TOP MING) 21

(RBVT41)

MACH (1) = 2.001 BETA (8) = 5.840 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1937 .2640 .3594
 .293 -.1619 -.0570
 .362 -.0169
 .400 -.1564
 .419 -.1793
 .550 -.2479 -.2185
 .610 -.1897
 .697 -.0445
 .700 -.2494
 .725 -.2321
 .750 -.2418
 .806 -.1171
 .850 -.2460
 .900 -.2312
 .950 -.1852
 .951 -.1715
 .966 -.0309
 .0843

MACH (1) = 2.001 BETA (9) = 7.860 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2206 .2940 .3901
 .250 -.1450 -.0420
 .362 .0193
 .400 -.1551
 .419 -.1641
 .550 -.2388 -.2108
 .600 -.1807
 .697 -.0780
 .700 -.2433
 .725 -.2267
 .750 -.2336
 .806 -.1006
 .850 -.2399
 .900 -.2235
 .950 -.1863
 .951 -.1553
 .966 -.0238
 .1257

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 S1 (TOP WING) 21

(88VT42) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SEMR = .469
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 BETA (1) = -6.320 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0306 .0599 .1005
 .250 -.1824 -.2345
 .362 -.1056
 .400 -.2535
 .419 -.1685
 .550 -.2551 -.2812
 .600 -.3474
 .697 -.1372
 .700 -.2874
 .725 -.1360
 .750 -.3420
 .806 -.1177
 .850 -.1260
 .900 -.0942
 .950 -.0399
 .951 -.0638
 .966 -.0724

MACH (1) = 1.550 BETA (2) = -6.290 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0064 .0811 .1211
 .250 -.2043 -.2385
 .362 -.0975
 .400 -.2667
 .419 -.1914
 .550 -.2627 -.2914
 .600 -.3577
 .697 -.0939
 .700 -.3113
 .725 -.1557
 .750 -.3519
 .806 -.1102
 .850 -.1371

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (TOP WING) 21

(RBYT42)

MACH (1) = 1.550 BETA (2) = -6.290

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950
 .950
 .951
 .966
 -.0856
 -.0584
 -.0514
 -.0520
 -.2525

MACH (1) = 1.550 BETA (3) = -4.250 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 .0402
 -.2163
 -.0915
 -.2054
 -.2707
 -.3125
 -.3265
 -.1842
 -.0838
 -.0928
 -.0269
 -.0388
 .1095
 -.2395
 -.2859
 -.3125
 -.3265
 -.1842
 -.0928
 -.0269
 -.0388
 .1439
 -.2395
 -.2859
 -.3125
 -.3265
 -.1842
 -.0928
 -.0269
 -.0388
 -.3717
 -.3733
 -.1575
 -.2633

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .5730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .0728
 -.2151
 -.0984
 -.2131
 -.2829
 -.3277
 -.3719
 .1254
 -.2299
 -.2786
 -.3277
 -.3719

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 21

(RBVT42)

MACH (1) = 1.550 BETA (4) = -2.230

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 .3426
 .725 -.1904
 .750 -.3837
 .806 -.0848
 .850 -.1755
 .900 -.1149
 .950 -.1142
 .951 -.0176
 .966 -.0287

-.2831

MACH (1) = 1.550 BETA (5) = -.200 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0719 .1494 .2016
 .250 -.2415 -.2217
 .362 -.1080
 .400 -.3059
 .419 -.2477
 .550 -.3101 -.3383
 .600 -.3727
 .697 -.1672
 .700 -.3636
 .725 -.2213
 .750 -.3919
 .806 -.1015
 .850 -.2020
 .900 -.0861
 .950 -.1418
 .951 -.0074
 .966 -.0228

-.2863

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(EBV742)

MACH (1) = 1.550 BETA (6) = 1.830 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTD = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0657 .1451 .2181
 .250 .2483 .2091
 .362 .3164
 .400 .2339 .3104 .3457
 .419 .3654
 .550 .2008
 .600 .2367 .3742
 .697 .4120
 .700 .2093 .2130
 .725 .2082 .1405 .2835
 .750 .0661
 .806 .0160

MACH (1) = 1.550 BETA (7) = 3.160 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTD = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0734 .1487 .2251
 .250 .2798 .2020
 .362 .3165
 .400 .2535 .3234 .3724
 .419 .3605
 .550 .2878 .3933
 .600 .1154 .4113
 .697 .2439 .2778
 .700 .1308 .1441
 .725 .0381
 .750 .0406

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OR T1 S1 (TOP WING) 21

(REV 742)

MACH (1) = 1.550 BETA (8) = 5.890 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTD = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0781	.1570	.2433	
.250			-.2822		-.1969	
.362	-.0612					
.400				-.3128		
.419		-.2644				
.500			-.3333	-.3765		
.600						-.3549
.697	-.2045					
.700				-.4090		
.725			-.2964			
.750					-.0084	
.806		-.1280				
.850				-.2321		
.900			-.1173			-.2798
.950				-.1502		
.951		.0495				
.966	.0630					

MACH (1) = 1.550 BETA (9) = 7.920 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTD = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0961	.1722	.2611	
.250			-.2754		-.1910	
.362	-.0375					
.400				-.3113		
.419		-.2529				
.500			-.3363	-.3739		
.600						-.3479
.697	-.2157					
.700				-.4104		
.725			-.2987			
.750					-.4027	
.806		-.1192				
.850				-.2104		
.900			-.1584			-.2766
.950				-.1566		
.951		.0691				
.966	.1089					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T. SL (TOP WING) 11

R2W743) (14 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .000 STABIL = .469
 POWER = 1.000 SIGNAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -6.240 RNL = 3.703 PTO = 1977.556 FO = 500.889 TTD = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2805 .3218 .3524
 .250 -.0563 -.0104
 .362 -.0041
 .400
 .419 -.1105 -.1453
 .550 -.1673 -.1841
 .600
 .697 -.0050
 .700
 .725 -.2223
 .750 -.0036
 .806 .0247
 .850 .0132
 .900 .0779
 .950 .1212
 .951
 .966 .1010
 .0904
 -.2363
 -.2550
 -.1913

MACH (1) = 1.550 ALPHA (2) = -6.010 RNL = 3.703 PTO = 1977.556 FO = 500.889 TTD = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2359 .2793 .3102
 .250 -.0963
 .362 -.0371
 .400
 .419 -.1424
 .550 -.2031 -.2240
 .600
 .697 -.0816
 .700
 .725 -.2578
 .750 -.0811
 .806
 .850 -.0037
 -.2949
 -.0566
 -.2722

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 163

ARC 97-710 1A12B OF 11 S1 (TOP WING) 11

(REV743)

MACH (1) = 1.550 ALPHA (2) = -4.010

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 .950 .951 .966 .0308 -.2345

MACH (1) = 1.5

ALPHA (3) = -4.070 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .250 .362 .400 .419 .550 .600 .697 .700 .725 .750 .806 .850 .900 .950 .951 .966

.1989 .2371 .1185 .2273 .2650 .2984 .1398 .2852 .3263 .1078 .0390 .0334 .0433 .0269

MACH (1) = 1.550 ALPHA (4) = -2.060

RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .250 .362 .400 .419 .550 .600 .697 .1394 .1898 .1841 .2591 .2986 .3346

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 164

ARC 97-710 1A128 QZ T1 S1 (TOP WING) 11

(RBVT43)

MACH (1) = 1.550 ALPHA (4) = -2.060

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 1.550 ALPHA (5) = -.080 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL TL SL (TOP WING) 11

(RBV143)

MACH (1) = 1.550 ALPHA (6) = 1.920 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0421 .0968 .1484
 .250 -.2867 -.2439
 .362 -.1159
 .400 -.3406
 .419 -.2677
 .550 -.3396 -.3904
 .600
 .697 -.2278
 .700
 .725 -.2675
 .750 -.4042
 .806 -.1203
 .850 -.4332
 .900 -.2273
 .950 -.1825
 .951 -.1732
 .966 -.0028
 -.0056

-.3832

-.3126

MACH (1) = 1.550

ALPHA (7) = 3.890

RNL = 3.703

PTO = 1977.556

PO = 500.889

TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0080 .0484 .1076
 .250 -.3303 -.2683
 .362 -.1454
 .400 -.3749
 .419 -.2903
 .550 -.3694 -.4197
 .600
 .697 -.2282
 .700
 .725 -.4458
 .750 -.2899
 .806 -.1617
 .850 -.4430
 .900 -.2622
 .950 -.1754
 .951 -.2142
 .966 -.0221
 -.0190

-.3961

-.3497

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B QZ T1 S1 (TOP WING) 11

(RBVT43)

MACH (1) = 1.550 ALPHA (8) = 5.930 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.250	-.5484	-.0012		.0116	
.362	-.3571			-.3590	
.400	-.1559				
.419				-.3822	
.550	-.3079				
.600				-.3908	-.4341
.697	-.2483				-.4243
.700					
.725				-.3368	-.4678
.750					-.4637
.806	-.2115				
.850				-.2973	
.900				-.2548	-.3889
.950				-.2614	
.951				-.0398	
.966	-.0233				

MACH (1) = 1.550 ALPHA (9) = 7.890 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.250	-.0956	-.1001		-.0862	
.362	-.3956			-.3799	
.400	-.1802				
.419				-.4412	
.550	-.3380			-.4246	-.4692
.600					-.4628
.697	-.2902				
.700				-.4940	
.725				-.3842	
.806	-.2509				-.4579
.850				-.3475	
.900				-.3070	-.3914
.950				-.3021	
.951	-.0293				
.966	-.0255				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (TOP WING) 11

(RBVT44) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 993.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMR = 1.050
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -8.080 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2753 .3165 .3483
 .250 -.0594 -.0154
 .362 -.0161
 .400
 .419 -.1159
 .550 -.1734 -.1895
 .600
 .697 -.0152
 .700
 .725 -.0153
 .750
 .806 .0163
 .850
 .920 -.0095
 .950 .1128
 .951
 .966 .0855

-2340

-2272

-2632

-0007

-1903

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2339 .2756 .3097
 .250 -.1054 -.0668
 .362 -.0489
 .400
 .419 -.1440
 .550
 .600
 .697 -.0901
 .700
 .725 -.2645
 .750
 .806
 .850

-1939

-2303

-2717

-2645

-3051

-0616

ARC 97-710 1A128 01 T1 S1 (TOP WING) 11

(RBVT44)

MACH (1) = 1.550 ALPHA (2) = -5.990

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
 .950
 .951
 .966

-.0705
 .0304
 .0575
 .0455

-.2348

MACH (1) = 1.550 ALPHA (3) = -4.000 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .970
 .950
 .951
 .966

-.1861
 -.1481
 -.0508
 -.1698
 -.2458
 -.0514
 -.1427
 -.0325
 -.1092
 -.0359
 -.0403
 .0379
 .0259

.2334
 -.1121
 -.2311
 -.2639
 -.3002
 -.2976
 -.3305
 -.2569

MACH (1) = 1.550 ALPHA (4) = -2.050 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697

.1250
 -.1822
 -.0773
 -.2079
 -.2712
 -.3025
 -.0791

.1869
 -.1881
 -.2647
 -.3326

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 11

(RBYT44)

MACH (1) = 1.550 ALPHA (4) = -2.050

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.3271
.725	-.1756
.750	-.3620
.806	-.0574
.850	-.1551
.900	-.0218
.950	-.0962
.951	.0123
.966	.0019

-.2493

MACH (1) = 1.550 ALPHA (5) = -.070 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTD = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0785	.1407	.1982
.250	-.2322	-.2234	
.362	-.1041		
.400		-.3192	
.419	-.2307	-.3418	-.3684
.550		-.3666	
.600	-.0934	-.2160	
.697			-.3955
.700			
.725			
.750			
.806	-.0915		
.850		-.2058	
.900		-.2141	-.2853
.950			-.1409
.951	-.0046		
.966	-.0071		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(REVT44)

MACH (1) = 1.550 ALPHA (6) = 2.030 RNL = 2.644 PTO = 1344.111 PO = 340.222 TPO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0367 .0930 .1481
 .250 -.2905 -.2467
 .362 -.1119
 .400
 .419 -.3576
 .550 -.2688
 .600 -.3432 -.3941
 .697 -.1951
 .700
 .725 -.4085
 .750 -.2625
 .806 -.1235
 .850 -.4344
 .900 -.2328
 .930 -.1875
 .950 -.1741
 .951 -.0083
 .966 -.0032

-.3816

MACH (1) = 1.550

ALPHA (7) = 3.920

RNL = 2.644

PTO = 1344.111

PO = 340.222

TPO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0086 .0464 .1062
 .250 -.3303 -.2745
 .362 -.1425
 .400
 .419 -.3819
 .550 -.2914
 .600 -.3699 -.4222
 .697 -.2289
 .700
 .725 -.4469
 .750 -.2900
 .806 -.1592
 .850 -.4459
 .900 -.2621
 .930 -.1825
 .950 -.2167
 .951 -.3531
 .966 -.0270

-.3949

-.0232

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 S1 (TOP WING) 11

(88VT44)

MACH (1) = 1.550 ALPHA (8) = 5.970 RNL = 2.844 PTO = 1344.111 PQ = 340.222 TTD = 105.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2995	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 1.550 ALPHA (9) = 7.940 RNL = 2.844 PTO = 1344.111 PO = 340.222 TTD = 105.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.312						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(RBVT45) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 S2.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SSWER = 1.000
 POWER = 1.000 GINGAL = 2.000

MACH (1) = 1.550 BETA (1) = -8.270 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0502 .0528 .0985
 .250 -.1848 -.2418
 .362 -.1005
 .400 -.1856 -.2586
 .419 -.2509 -.2875
 .550 -.1014
 .600 -.1166
 .697 -.1411
 .700 -.2848
 .725 -.1166
 .750 -.1302
 .806 -.1166
 .850 -.1375
 .900 -.0441
 .951 -.0639
 .966 -.0606

-3.503

-3.491

-2.523

MACH (1) = 1.550 BETA (2) = -6.250 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0019 .0775 .1180
 .250 -.2059 -.2453
 .362 -.1007
 .400 -.1960
 .419 -.2677
 .550 -.2628 -.2957
 .600 -.3617
 .697 -.1025
 .700 -.3188
 .725 -.1596
 .750 -.3608
 .806 -.1141
 .850 -.1422

DATE 15 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TCP MING) 21

(RBV745)

MACH (1) = 1.550 BETA (2) = -6.250

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920
.950
.951
.966
-0.1513
-0.0618
-0.0563
-0.0565
-0.2568

MACH (1) = 1.550 BETA (3) = -4.250 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.920
.950
.951
.966
.0350
.0351
.0228
-0.2537
-0.2122
-0.2782
-0.3174
-0.3766
-0.1890
-0.3771
-0.0961
-0.1620
-0.1784
-0.0998
-0.0359
-0.0451
-0.1024
-0.3334
-0.2439
-0.1399
-0.2705

MACH (1) = 1.550 BETA (4) = -2.220 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
-0.1058
-0.2245
-0.2269
-0.2339
-0.1741
-0.2677
-0.3329
-0.3744
-0.1067

ARC 97-710 1A12B ON T1 S1 (TOP WING) 21

(SBVT45)

MACH (1) = 1.550 BETA (4) = -2.220

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-3.470
.725	-.1978
.750	-.3871
.806	-.1003
.850	-.1806
.920	-.1902
.955	-.1180
.951	-.0304
.966	-.0404

MACH (1) = 1.550 BETA (5) = -.200 RNL = 2.683 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0777	.1440	.1976
.250	-.2380	-.2258	
.362	-.1067		
.400		-.2867	
.419	-.2395	-.3445	
.550	-.3120		-.3729
.600			
.697	-.1056	-.3664	
.700			
.725	-.2173	-.3974	
.750			
.806	-.0997		
.850		-.2060	
.920	-.2053		-.2882
.950		-.1438	
.951	-.0112		
.966	-.0181		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(EBV745)

MACH (1) = 1.550 BETA (6) = 1.820 RNL = 2.663 FTO = 1349.111 PO = 341.556 TFO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0794 .1457 .2196
 .250 -.2535 -.2119
 .362 -.0931
 .400 -.3012
 .419 -.2385
 .550 -.3168 -.3517
 .600 -.3650
 .697 -.1599
 .700 -.3796
 .725 -.2336
 .750 -.4144
 .806 -.0973
 .850 -.2232
 .900 -.1142
 .950 -.1417
 .951 .0136
 .966 .0000

MACH (1) = 1.550 BETA (7) = 3.840 RNL = 2.663 FTO = 1349.111 PO = 341.556 TFO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0712 .1455 .2251
 .250 -.2844 -.2057
 .362 -.0923
 .400 -.2941
 .419 -.2561
 .550 -.3269 -.3739
 .600 -.3614
 .697 -.0932
 .700 -.3955
 .725 -.2851
 .750 -.4140
 .806 -.1230
 .850 -.2505
 .900 -.2799
 .950 -.1457
 .951 .0198
 .966 .0296

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 21

(RBV745)

MACH (1) = 1.550 BETA (0) = 5.860 RNL = 2.663 PTO = 1349.111 PO = 341.556 TIO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2995 .4270 .5340 .6730 .7800 .8870

X/C

.070	.0795	.1580	.2451
.290	-.2833	.2015	
.362	-.0650		
.400		-.2976	
.419	-.2826	-.3365	-.3566
.550			
.600			
.697	-.1536		
.700		-.4128	
.725	-.2959		
.750		-.4121	
.806	-.1163		
.850		-.2447	
.900	-.2556	-.2836	
.950	-.1520		
.951	.0447		
.966	.0630		

MACH (1) = 1.550 BETA (0) = 7.860 RNL = 2.663 PTO = 1349.111 PO = 341.556 TIO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0803	.1719	.2626
.250	-.2928	-.1981	
.362	-.0515		
.400		-.3254	
.419	-.2746	-.3761	
.550			
.600			
.697	-.1316		-.3507
.700		-.4141	
.725	-.2958		
.750		-.4072	
.806	-.1383	-.2179	
.850		-.2914	-.2836
.900	-.2914	-.1537	
.950			
.951	.0394		
.966	.0992		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(RBV746) (04 APR 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = .000
 CTR = .433 SRMR = 1.790
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 BETA (1) = -0.250 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050 -.0613 .0250 .0868
 .250 -.1974 -.2513
 .362 -.1154
 .400 -.1809
 .419 -.1904
 .550 -.2611 -.2909
 .600 -.3479
 .697 -.1095
 .700 -.2800
 .725 -.0397
 .750 -.3583
 .806 -.1394
 .850 -.1316
 .900 -.1407
 .950 -.0475
 .951 -.2601
 .966 -.0711

MACH (1) = 1.550 BETA (2) = -6.250 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050 -.0494 .0526 .1087
 .250 -.2321 -.2570
 .362 -.1255
 .400 -.2474
 .419 -.2224
 .550 -.2782 -.3040
 .600 -.3511
 .697 -.1249
 .700 -.3272
 .725 -.1607
 .750 -.3685
 .806 -.1459
 .850 -.1515

(R8VT46)

ARC 97-710 1A129 01 T1 S1 (TOP WING) 21

MACH (1) = 1.550 BETA (2) = -6.250

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .950
 .950
 .951
 .966
 -.1594
 -.0510
 -.0758
 -.0834
 -.2667

MACH (1) = 1.550 BETA (3) = -4.210 RNL = 1.464 PTO = 707.667 PO = 179.222 TTD = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .950
 .950
 .962
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .966
 .0091
 -.2303
 -.1136
 -.2157
 -.2879
 -.3227
 -.1608
 -.3357
 -.1847
 -.1257
 -.1833
 -.0856
 -.0454
 -.0477
 .1192
 -.2501
 -.3687
 -.2748

MACH (1) = 1.550 BETA (4) = -2.210 RNL = 1.464 PTO = 707.667 PO = 179.222 TTD = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .950
 .950
 .962
 .400
 .419
 .550
 .600
 .697
 -.0277
 -.3046
 -.1853
 -.2891
 -.3655
 -.3372
 -.3770
 .1582
 -.2456
 -.2552

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 OF 71 SL (TOP WING) 21

(RBT146)

MACH (1) = 1.550 BETA (4) = -2.210

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.3573
 .725 -.2102
 .750 -.3976
 .806 -.1754
 .850 -.1900
 .900 -.2041
 .950 -.1160
 .951 -.0911
 .966 -.1002

-.3017

MACH (1) = 1.550 BETA (5) = -2.200

RNL = 1.464 PTO = 707.667 PO = 179.222 TIO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0514 .1362 .1898
 .250 -.2419 -.2319
 .362 -.1098
 .400 -.3323
 .419 -.2531
 .550 -.3208 -.3537
 .600 -.3457
 .697 -.1189
 .700 -.3735
 .725 -.2313
 .750 -.4044
 .806 -.1171
 .850 -.2214
 .900 -.2239
 .950 -.1430
 .951 -.0298
 .966 -.0278

-.2849

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOP WING) 21

(RBV746)

MACH (1) = 1.550 BETA (6) = 1.610 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
N/C						
.050			.0658	.1299		.2182
.250			-.2743		-.2251	
.362	-.1361					
.400				-.2216		
.419		-.2512				
.550			-.3367	-.3628		
.600						-.3541
.697	-.1028					
.700				-.3699		
.725			-.2420			
.750					-.4226	
.806		-.1133				
.850			-.2538			
.920			-.2393			-.2844
.950				-.1490		
.951						
.966	-.0173					

MACH (1) = 1.550 BETA (7) = 3.620 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
N/C						
.050			.0671	.1427		.2281
.250			-.2958		-.2107	
.362	-.1164					
.400				-.2470		
.419		-.2736				
.550			-.3439	-.3834		
.600						-.3381
.697	-.1139					
.700				-.4008		
.725			-.2681			
.750		-.1348			-.4183	
.806				-.2980		
.850			-.2654			-.2812
.920				-.1449		
.950						
.951						
.966	-.0364					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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MACH (1) = 1.550 BETA (8) = 5.830 RNL = 1.464 PTO = 707.667 PO = 179.222 TTD = 84.111
 (RBT46)

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0740	-.0681		.2499
.250			-.2970		-.2097	
.362	-.0753					
.400				-.2597		
.419		-.2720				
.550			-.3554	-.3832		
.600						-.3306
.697	-.0772					
.700				-.4145		
.725		-.2942			-.4172	
.750						
.806		-.1365		-.3222		
.850			-.2908			-.2794
.900				-.1480		
.950		-.0040				
.951						
.966	-.0334					

MACH (1) = 1.550 BETA (9) = 7.840 RNL = 1.464 PTO = 707.667 PO = 179.222 TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0690	-.1132		.2521
.250			-.2970		-.2092	
.362	-.1004					
.400				-.0474		
.419		-.2898				
.550			-.3612	-.3836		
.600						-.3446
.697	-.0998					
.700				-.4206		
.725		-.0721			-.4132	
.750						
.806		-.1667				
.850			-.3132			-.2896
.900			-.2903			
.950				-.1464		
.951		.0118				
.966	-.0700					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBVT47) (04 APR 74)

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMR = 1.790
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -8.000 RNL = 1.469 PTO = 706.444 PO = 179.000 TPO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2661 .0635 .3442
 .290 .362 -.0821 -.0174
 .400 .362 -.0337 .3050
 .419 -.1215
 .550 -.1949
 .600 -.1949
 .697 -.0249
 .700 -.2385
 .725 -.0224
 .750 -.2763
 .806 -.0523
 .850 -.0257
 .900 -.0203
 .951 .1034
 .966 .0793
 -.0249
 -.1990
 -.2270

MACH (1) = 1.550 ALPHA (2) = -6.000 RNL = 1.469 PTO = 706.444 PO = 179.000 TPO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1999 .0313 .3589
 .290 .362 -.1140 -.0608
 .400 .362 -.0638 .2450
 .419 -.1497
 .550 -.2238
 .600 -.2334
 .697 -.0531
 .700 -.2370
 .725 -.0534
 .750 -.3037
 .806 -.1544
 .850 -.0793
 -.2477
 -.3037
 -.0793

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 11

(R8V747)

MACH (1) = 1.550 ALPHA (2) = -6.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950 -.0982 -.2327
 .950 .0115
 .951 .0392
 .966 -.0449

MACH (1) = 1.550 ALPHA (3) = -4.050 RNL = 1.469 PTO = 706.444 PO = 179.000 TPO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1726 .0544 .2695
 .250 -.1659 -.1288
 .362 -.0757 -.0292
 .400 -.1902 -.2574 -.2715
 .419 -.0292
 .550 -.2574 -.2715
 .600 -.2624
 .697 -.0739
 .700 -.3103
 .725 -.1503
 .750 -.3384
 .806 -.1987
 .850 -.1261
 .900 -.1482
 .950 -.0377
 .951 .0166
 .966 -.0418

MACH (1) = 1.550 ALPHA (4) = -2.000 RNL = 1.469 PTO = 706.444 PO = 179.000 TPO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1128 .0487 .2215
 .250 -.1989 -.1960
 .362 -.0972
 .400 -.1963
 .419 -.2255
 .550 -.2494 -.3137
 .600 -.2991
 .697 -.1009

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBVT47)

MACH (1) = 1.550 ALPHA (6) = 1.940 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0212 .0680 .1408
 .250 -.3035 -.2555
 .362 -.1406
 .400 -.3651
 .419 -.2846
 .550 -.3512 -.4018
 .600 -.3441
 .697 -.1355
 .700 -.4182
 .725 -.2548
 .750 -.4370
 .806 -.1499
 .850 -.2639
 .900 -.2491
 .950 -.1770
 .951 -.0321
 .966 -.0348

MACH (1) = 1.550 ALPHA (7) = 3.990 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0324 .0377 .1058
 .250 -.3477 -.2874
 .362 -.1648
 .400 -.3755
 .419 -.3131
 .550 -.3859 -.4313
 .600 -.3513
 .697 -.1655
 .700 -.4382
 .725 -.2908
 .750 -.4167
 .806 -.1863
 .850 -.3618
 .900 -.2858
 .950 -.2437
 .951 -.0680
 .966 -.0344

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP MING) 11 (EBVT47)

MACH (1) = 1.550 ALPHA (8) = 6.000 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0961	-.0053	-.0115
.250	-.3953	-.3330	
.362	-.1995		
.400		-.3425	
.419	-.3904		
.550		-.4408	-.4457
.600			-.3694
.697	-.2027		
.700		-.4371	
.725	-.3867		
.750		-.4120	
.806	-.2419		
.850		-.4245	
.920	-.3817		-.4008
.950		-.3253	
.951	-.0885		
.966	-.0331		

MACH (1) = 1.550 ALPHA (9) = 7.920 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.1533	-.2376	-.0994
.250	-.4451	-.3959	
.362	-.2315		
.400		-.3567	
.419	-.3881		
.550		-.4820	-.4387
.600			-.3794
.697	-.2321		
.700		-.4533	
.725	-.3080		
.750		-.4309	
.806	-.2728		
.850		-.4428	
.920	-.4180		-.4261
.950		-.3756	
.951	-.1113		
.966	-.0134		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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(RBVT48) (04 APR 74)

ARC 97-710 1A12B OI T1 S1 (TOP WING) 11

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 933.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0193 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CDR = .409 SEWER = 2.128
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.540 RNL = 1.252 PTO = 698.333 PO = 89.222 TTO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2380 .0171 .3595
 .250 -.0767 -.0029
 .362 -.0178 .3067
 .400
 .419 -.1073 -.1760 -.1394
 .530
 .600 .0011
 .697 -.0166
 .700
 .725 -.1725
 .755 -.0314
 .806
 .850 -.0573
 .900 -.1487
 .930 -.1282
 .951 -.0360
 .966 .0487
 .0442

-.1321

MACH (1) = 2.001 ALPHA (2) = -5.620 RNL = 1.252 PTO = 698.333 PO = 89.222 TTO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1866 -.0228 .3248
 .250 -.1072 -.0373
 .362 -.0483 .2524
 .400
 .419 -.1323
 .530
 .600 -.1899 -.1639
 .697 -.0404
 .700
 .725 -.1943
 .755 -.0731
 .806 -.1994
 .850 -.1373
 .1730

-.1073

-.1994

-.1730

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S1 (TOP WING) 11

(RBVT48)

MACH (1) = 2.001 ALPHA (2) = -5.620

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-1.900	-1.599
.950	-0.791	
.951	.0158	
.966	.0330	

MACH (1) = 2.001 ALPHA (3) = -3.600 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.1395	.2028	.2831
.950	-.1331	-.0756	
.962	-.0794	-.0692	
.970	-.1467	-.1929	-.0596
.997	-.0617	-.2217	
.700	-.1651	-.2260	
.725	-.1524	-.2038	
.750	-.1798	-.1243	-.1846
.806	.0044		
.850			
.900			
.951			
.966			

MACH (1) = 2.001 ALPHA (4) = -1.540 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	.0878	.1554	.2753
.950	-.1755	-.1061	
.962	-.0731	-.1497	
.970	-.1671	-.1832	-.1315
.997	-.0798		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 11

(EBV748)

MACH (1) = 2.001 ALPHA (6) = 2.360 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0163	.1271	.2315
.250	.2572	-.1367	
.362	-.1254		
.400		-.1597	
.419			
.550	-.2192	-.2730	-.2660
.600			-.1174
.697	-.1181		
.700		-.2547	
.725		-.2297	
.750			-.2495
.806	-.2266		
.850		-.2573	
.900	-.2235		-.2233
.950		-.2200	
.951	-.0670		
.966	.0125		

MACH (1) = 2.001 ALPHA (7) = 4.430 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0105	.0980	.1972
.250	-.2610		-.1644
.362	-.1332		
.400		-.1227	
.419	-.2568		
.550		-.2751	-.2822
.600			-.0355
.697	-.1292		
.700		-.2645	
.725		-.2379	
.750			-.2523
.806	-.1914		
.850		-.2740	
.900	-.2326		-.2295
.950		-.2445	
.951	-.1022		
.966	.0270		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (TOP WING) 11

(RBV746)

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.252 PTO = 698.333 PO = 89.222 TTO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0055	-.2391	.1718
.250	-.2641	-.1789	
.362		-.1514	
.400			
.419	-.2774	-.2816	
.550			
.600			-.0090
.697	-.1331		
.700		-.2674	
.725		-.2267	
.750			-.2501
.806	-.2446		
.850		-.2726	
.900		-.2231	-.2250
.950		-.2475	
.951	-.1039		
.966	.0398		

MACH (1) = 2.001 ALPHA (9) = 8.440 RNL = 1.252 PTO = 698.333 PO = 89.222 TTO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0118	.0636	.1295
.250	-.2857	-.2089	
.362	-.1766		
.400		-.1990	
.419	-.3157	-.2952	
.550			-.0585
.600			
.697	-.1758		
.700		-.2832	
.725		-.2605	
.750			-.2684
.806	-.3157		
.750		-.2841	
.900		-.2535	-.2456
.950		-.2754	
.951	-.1444		
.966	.0253		

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TABULATED SOURCE DATA - ARC 97-715 - 1A128

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ARC 97-715 1A128 CI T1 S1 (TOP WING) 11

(RBVT49) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CDR = .409 SWFR = 1.245
 POWER = 1.000 G1MBAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.610 RNL = 1.967 PTO = 1115.889 PO = 142.444 YTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2533	.3163		.3565
.250			-.0483		.0925	
.362	-.0009					
.400				-.0788		
.419		-.0652				
.595			-.1201	-.1381		.1529
.620						
.697	.0201					
.700				-.1687		
.725			-.1358		-.1760	
.750						
.806		-.0214		-.1437		-.1309
.850			-.1319	-.0253		
.900						
.950		.0758				
.955						

MACH (1) = 2.001 ALPHA (2) = -5.610 RNL = 1.967 PTO = 1115.889 PO = 142.444 YTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2069	.1827		.3292
.250			-.0818		-.0348	
.362	-.0201					
.400				-.0960		
.419		-.1090				
.595			-.1309	-.1607		.0116
.620						
.697	-.0201					
.700				-.1901		
.725			-.1117			
.750					-.1962	
.806		-.1113				
.850					-.1683	

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (TOP WING) 11

(RBT49)

MACH (1) = 2.001 ALPHA (2) = -5.610

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966
.0031

-.1551
-.0728
-.1554

MACH (1) = 2.001 ALPHA (3) = -3.570 RNL = 1.967 PTO = 1115.889 PO = 142.444 TPO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.290
.362
.400
.419
.550
.600
.697
.700
.725
.730
.805
.900
.950
.951
.956
-.0015

.1463
-.1281
-.0589
-.1426
-.1255
-.1893
-.0599
-.1141
-.1442
-.1797
-.0134

-.0527
-.0745
.1875
-.2157
-.2247
-.1967
-.1120
-.1846

.2848
-.0745
.5305

MACH (1) = 2.001 ALPHA (4) = -1.580 RNL = 1.967 PTO = 1115.889 PO = 142.444 TPO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.290
.362
.400
.419
.550
.600
.697

.0981
-.1719
-.1604
-.1593
-.1674

.1520
-.1036
-.2125

.2740
-.0042

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 194

ARC 97-710 1A128 OI T1 S1 (TOP WING) 11

(RBV149)

MACH (1) = 2.001 ALPHA (4) = -1.585

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

.725

.750

.806

.853

.900

.950

.951

.966

-.2281

-.1740

-.1195

-.1710

-.2068

-.1160

-.0032

.0001

-.2427

-.1976

MACH (1) = 2.001 ALPHA (5) = .400 RNL = 1.967 PTO = 1115.889 FO = 142.444 TTO = 83.863

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.250

.362

.400

.419

.550

.600

.697

.700

.725

.806

.853

.900

.950

.951

.966

.0411

-.2036

-.1830

-.2353

-.2460

-.2631

-.1891

-.1396

-.1063

-.0404

.2496

-.1178

-.2150

.0363

-.2653

-.2396

-.2123

-.1530

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (TOP WING) 11

(RBT149)

MACH (1) = 2.001 ALPHA (6) = 2.360 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTD = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0515	.1349		.2265
.250			-.2278		-.1342	
.362	-.0917					
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 2.001 ALPHA (7) = 4.340 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTD = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0227	.0738		.1964
.250			-.2587		-.1564	
.362	-.1295					
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (TOE WING) 11

(R8V749)

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0271 -.2078 .1670
 .250 -.2473 -.1738
 .362 -.1331
 .400
 .419
 .550
 .600
 .697 -.1326
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966 .0091

MACH (1) = 2.001 ALPHA (9) = 8.370

RNL = 1.967

PTO = 1115.889

PO = 142.444

TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0236 -.0331 .1327
 .250 -.2542 -.1924
 .362 -.1404
 .400
 .419
 .550
 .600
 .697 -.1369
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966 .0175

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (TOP WING) 21

(RBV750) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1326.0000 IN. YMRP = .0000 IN.
 BREF = 1326.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0193 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SRMR = 1.245
 POWER = 1.000 G1MBAL = 2.000

MACH (1) = 2.001 BETA (1) = -6.300 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0565 .0743 .1341
 .250 .1527 .1371
 .362 -.0972
 .400
 .419 -.1466
 .450 -.1560
 .550 -.1532 -.2114
 .600
 .697 -.0867
 .700 -.2233
 .725 -.1790
 .750
 .806 -.1305
 .850 -.1628
 .900 -.1762
 .950 -.0651
 .951 -.0546
 .966 .0036
 .1028
 .2457
 .2199

MACH (1) = 2.001 BETA (2) = -6.280 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0206 .0682 .1387
 .250 .1558 .1384
 .362 -.0705
 .400
 .419 -.2140
 .450 -.1473
 .550 -.1969 -.2206
 .600
 .697 -.0695
 .700
 .725 -.2360
 .750 -.1779
 .806 -.2542
 .850 -.1930
 .1073
 .0993

(RBT55)

ARC 97-710 1A12B ON T1 S1 (TOP WING) 21

MACH (1) = 2.001 BETA (2) = -6.280

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900
.950
.951
.966

-.1740
-.0622
-.0439
.0296

-.2152

MACH (1) = 2.001 BETA (3) = -4.270 RNL = 1.960 PTO = 1112.667 PO = 141.889 TPO = 84.111

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.816
.850
.920
.950
.951
.966

.0140
-.1667
-.0742
-.1663
-.1677
-.1691
-.1382
-.1663
-.0611
.0041

.0953
-.1268
-.1845
-.2203
-.2356
-.2536
-.2110
-.0983
-.2176

.1804
-.1268
-.1845
-.2203
-.2356
-.2536
-.2110
-.0983
-.2176

-.0580

MACH (1) = 2.001 BETA (4) = -2.260 RNL = 1.960 PTO = 1112.667 PO = 141.889 TPO = 84.111

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.250
.362
.400
.419
.550
.600
.697

.0490
-.1835
-.0717
-.1531
-.1820
-.2282
-.0442

-.0956
-.1253
-.1487
-.2282
-.0442

.2188

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(RBT150)

MACH (1) = 2.001 BETA (6) = 1.760 RNL = 1.960 PTO = 1112.667 PO = 141.889 TPO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
M/C						
.090			.1093	.1961		.2917
.250			-.1934		-.0940	
.362	-.0837					
.400				-.1562		
.419		-.1733				
.550			-.1938	-.2457		
.600						-.0694
.697	-.0832					
.700				-.2683		
.725		-.1946				
.750					-.2563	
.806		-.1437				
.890			-.2563			
.900		-.1913				-.1998
.950			-.1545			
.951		-.0101				
.966	.0143					

MACH (1) = 2.001 BETA (7) = 3.780 RNL = 1.960 PTO = 1112.667 PO = 141.889 TPO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
M/C						
.090			.1579	.2317		.3243
.250			-.1823		-.0804	
.362	-.0519					
.400				-.1747		
.419		-.1784				
.550			-.1837	-.2323		
.600						-.0547
.697	-.0455					
.700			-.2290			
.725				-.2627		
.750						-.2529
.806		-.1558				
.890			-.2594			
.900		-.2262				-.1900
.950			-.1783			
.951		-.0284				
.966	.0059					

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TABULATED SOURCE DATA - ARC 97-710 - 1A125

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ARC 97-710 1A125 ON T1 S1 (TQ² WING) 21

(RBVT35)

MACH (1) = 2.001 BETA (8) = 5.790 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1937	.2592		.3518
.250			-.1696		-.0651	
.362	-.0429					
.400				-.1892		
.419		-.2003				
.550			-.1662	-.2237		
.600					.0133	
.697	-.0424					
.700				-.2563		
.725			-.1815			
.750		-.2025			-.2465	
.806				-.2531		
.850			-.2073			-.1809
.900				-.2078		
.951		-.0433				
.966	-.0054					

MACH (1) = 2.001

BETA (9) = 7.800

RNL = 1.960

PTO = 1112.667

PO = 141.889

TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2128	.2279		.3873
.250			-.1822		-.0534	
.362	-.0024					
.400				-.1295		
.419		-.1805				
.550			-.1802	-.2178		
.600					-.0753	
.697	-.0024					
.700				-.2509		
.725		-.2057			-.2400	
.750						
.806		-.1823		-.2471		-.1636
.850			-.2024			
.900				-.2074		
.951		-.0432				
.966	-.0024					

ARC 97-710 1A12B OF T1 S1 (TOP WING) 21

RBVT31) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SEWER = 2.128
 POWER = 1.000 GWSAL = 2.000

MACH (1) = 2.001 BETA (1) = -8.280 RNL = 1.265 PTO = 703.778 PO = 89.778 TPO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0775 -.0764 .1233
 .290 -.1688 -.1456
 .362 -.0870 -.2061
 .400 -.1658 -.2208 .0304
 .419 -.1681
 .590 -.2315
 .600 -.0325
 .697 -.2239
 .700 -.1745
 .725 -.1594
 .750 -.0563
 .806 -.1704
 .890 -.2052
 .900
 .950
 .951 -.0614
 .966 .0354

MACH (1) = 2.001 BETA (2) = -6.270 RNL = 1.265 PTO = 703.778 PO = 89.778 TPO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0286 -.0001 .1358
 .290 -.1783 -.1430
 .362 -.1094 -.0887
 .400 -.1435 -.2252
 .419 -.2119
 .590 -.0005
 .600
 .697 -.0776
 .700 -.2301
 .725 -.1583
 .750 -.2229
 .806 -.1511
 .890 -.2016

ARC 97-715 1A12B Q1 T1 S1 (TOP WING) 21

(RBVTS1)

WACH (1) = 2.551 BETA (2) = -6.270

SECTION 1.11.11

ETA .299J .427J .534J .673J .785J .887J

χ^2			
.920	-.1529	-.0816	-.1919
.950			
.951		-.0551	
.966		.0453	

WACH (1) = 2.031 BETA (3) = -4.263 RNL = 1.265 PTO = 703.778 PO = 89.778 TPO = 76.333

SECTION (1) WINS

ETA	.2995	.4275	.5345	.6735	.7855	.8875
-----	-------	-------	-------	-------	-------	-------

[illegible]

$\text{MACH}(1) =$	2.021	$\text{BETA}(4) =$	-2.250	$\text{RNL} =$	1.265	$\text{PTO} =$	703.778	$\text{PQ} =$	89.778	$\text{PVO} =$	76.333
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SECTION (1) WING

ETA	.2997	.4272	.5343	.6733	.7803	.8673
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[illegible]

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (TOP WING) 21

(RBVTS1)

MACH (1) = 2.001 BETA (4) = -2.250

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 2.001 BETA (5) = -2.250 RNL = 1.265 PTO = 703.778 PO = 89.778 T70 = 76.333

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (TOP WING) 21

(RBVT51)

MACH (1) = 2.001 BETA (6) = 1.760 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0879	-.0258		.2926
.250			-.2144		-.1017	
.362	-.0902					
.400				-.2049		
.419		-.1975				
.550			-.2509	-.2488		.1010
.600						
.697	-.0870					
.700				-.2594		
.725			-.2157			
.750					-.2576	
.806		-.1575				
.850			-.2121	-.2426		-.2011
.900				-.2074		
.950						
.951						
.966						

MACH (1) = 2.001 BETA (7) = 3.770 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1242	.0261		.3210
.250			-.2179		-.0889	
.362	-.1050					
.400				-.1715		
.419		-.1944				
.550			-.2187	-.2397		.1208
.600						
.697	-.1050					
.700				-.2576		
.725			-.2272			
.750					-.2523	
.806		-.1979				
.850			-.2381			-.1982
.900			-.2218	-.2072		
.950						
.951						
.966						

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TABULATED SOURCE DATA - ARC 97-715 - 1A12B

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ARC 97-715 1A12B 01 T1 S1 (TOP WING) 21

(RBVT51)

MACH (1) = 2.001 BETA (8) = 5.770 RNL = 1.265 PTO = 703.778 PO = 89.778 TIO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1767	.2567		.3633
.290	-.1638		-.0718	
.362	-.0255			
.400		-.1999		
.419	-.1948			
.550		-.1830	-.2297	.1580
.600				
.697	-.0287			
.700		-.2619		
.725	-.2261			
.750			-.2494	
.806	-.1965			
.850		-.2325		
.900	-.2206		-.1775	
.950	-.2148			
.951	-.0283			
.966	.0466			

MACH (1) = 2.001 BETA (9) = 7.780 RNL = 1.265 PTO = 703.778 PO = 89.778 TIO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1931	.2876		.3917
.290	-.1734		-.0558	
.362	-.0033			
.400		-.1735		
.419	-.1690		-.2218	.1113
.550		-.2335		
.600				
.697	-.0033		-.2556	
.700		-.2236		
.725			-.2406	
.750				
.806	-.1920			
.850		-.2309		-.1571
.900	-.2173		-.2125	
.950				
.951	-.0291			
.966	.0360			

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 11 52 (TOP WING) 11

(RBVT52) (04 APR 74)

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LRFP = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMR = 1.050
 POWER = 1.000 GINSAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.920 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTD = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2730 .0695 .3441
 .250 -.0735 -.0208
 .362 -.0242 .1705
 .400
 .419 -.0651
 .550 -.1636 -.1828
 .600
 .697 -.0220
 .700
 .725 -.0842
 .750 -.2589
 .806 -.0325
 .850 -.0211
 .900 -.0214 .1107
 .950
 .951 .0940
 .966 -.0885

MACH (1) = 1.550 ALPHA (2) = -5.960 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTD = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2218 .0835 .3062
 .250 -.1113 -.0639
 .362 -.0325 .2095
 .400
 .419 -.1382
 .550 -.1992 -.2185
 .600
 .697 -.0477
 .700 -.2596
 .725 -.0870
 .750 -.2975
 .806 -.0344
 .850 -.0608

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 (TOP WING) 11

(RBVT52)

MACH (1) = 1.550 ALPHA (2) = -5.960

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 -.0849 -.2326

.950 .0298

.951 .0576

.966 -.0912

MACH (1) = 1.550 ALPHA (3) = -3.950 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 .1781 .2067 .2654

.950 -.1538 -.1137

.962 -.0569

.970 .400

.975 .419

.980 .419

.985 .419

.990 .419

.995 .419

.997 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

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.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

MACH (1) = 1.550 ALPHA (4) = -1.950 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 .1196 .1699 .2227

.950 -.1895 -.1775

.962 -.0808

.970 .400

.975 .419

.980 .419

.985 .419

.990 .419

.995 .419

.997 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

.999 .419

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 209

ARC 97-710 1A128 OF 11 S2 (TOP WING) 11

(RBYT52)

MACH (1) = 1.550 ALPHA (4) = -1.930

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.3275
.725	-.1795
.750	-.3613
.806	-.1272
.850	-.1556
.900	-.1771
.950	-.0915
.951	.0294
.966	-.0966

-.2593

MACH (1) = 1.550 ALPHA (5) = .030 RUL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 105.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0849	.0540	.1933
.250	-.2351	-.2175	
.362	-.1026		
.400		-.2441	
.419	-.2252	-.3384	-.3706
.500			
.600	-.1017	-.3622	
.697			
.700	-.2173	-.3954	
.725			
.750			
.806	-.1059	-.2043	-.2873
.850		-.2145	-.1380
.900			
.950			
.951	-.0020		
.966	-.0869		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 210

ARC 97-710 1A12B OI T1 S2 (TOP WING) 11

(RBVT52)

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050	.0395	.0854	.1421
.250	-.2891	-.2485	
.362	-.1215		
.400		-.3199	
.419	-.2632	-.2910	-.3925
.550			
.600			
.697	-.1231		-.3842
.700		-.4083	
.725		-.2654	
.750			-.4300
.806	-.1316		
.850		-.2354	
.900	-.2661		-.3147
.950		-.1722	
.951	-.0089		
.966	-.0838		

MACH (1) = 1.550 ALPHA (7) = 4.010

RNL = 2.648

PTO = 1332.556

PO = 337.444

TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050	-.0285	.0351	.1052
.250	-.3274	-.2769	
.362	-.1491		
.400		-.3110	
.419	-.2865	-.4162	
.550			-.3980
.600			
.637	-.1488		
.700		-.4469	
.725		-.2908	
.750			-.4459
.806	-.1723		
.850		-.2617	
.900	-.2880		-.3559
.950		-.2129	
.951	-.0290		
.966	-.0768		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 211

ARC 97-710 1A128 OZ T1 S2 (TOP WING) 11

(RBVT52)

MACH (1) = 1.550 ALPHA (8) = 6.010 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966
-.0519
-.0049
-.3563
-.1682
-.3020
-.3725
-.3891
-.4406
-.1661
-.4710
-.3371
-.2233
-.2976
-.3339
-.2576
-.0476
-.0608
-.0064
-.3190
-.3725
-.4406
-.4278
-.4697
-.3968

MACH (1) = 1.550 ALPHA (9) = 8.010 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.250
.362
.400
.419
.550
.600
.697
.700
.725
.750
.806
.850
.900
.950
.951
.966
-.1112
-.1140
-.4105
-.1961
-.3443
-.4346
-.4736
-.1929
-.4987
-.3810
-.2615
-.4614
-.3467
-.3779
-.2966
-.0434
-.0478
-.0941
-.3847
-.4065
-.4619

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP WING) 11

(RBVT53) (04 APR 74)

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LRFP = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CDR = .433 SPARE = .469
 POWER = 1.000 C/MODAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -8.080 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTD = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2808 .3087 .3357
 .250 -.0700 -.0215
 .362 -.0159 -.1834
 .400 -.1233 -.1744 -.1931
 .419 -.2434
 .550 -.2257
 .600 -.0167
 .697 -.0142 .0000
 .700 -.0167 .1116
 .725 -.1985
 .750 .0000
 .806 .0975
 .850 .1116
 .900 .0975
 .951 .1116
 .956 -.1231

MACH (1) = 1.550 ALPHA (2) = -6.010 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTD = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .2348 .2698 .3037
 .250 -.1089 -.0690
 .362 -.0423 -.2109
 .400 -.1370 -.2054 -.2223
 .419 -.2744
 .550 -.0485
 .600 -.2620
 .697 -.0877
 .700 -.2954
 .725 -.0824
 .750 -.1592
 .806 .1592
 .850 .1592

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S2 (TOP MING) 11

(RBV153)

MACH (1) = 1.550 ALPHA (2) = -6.010

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.0906	-.2395
.950	.0283	
.951	.0673	
.966	.0290	

MACH (1) = 1.550 ALPHA (3) = -4.040 RNL = 3.743 PTO = 1974.500 PO = 499.800 TPO = 120.800

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1766	.2310	.2641
.250	-.1605	-.1199	
.362	-.0825		
.400		-.2500	
.419	-.1800		
.550		-.2427	-.2612
.600			-.3051
.697	-.0722		
.700		-.2975	
.725	-.1469		
.750		-.3305	
.806	-.0394		
.850		-.1118	
.900	-.1507	-.2620	
.950		-.0403	
.951	.0327		
.966	.0202		

MACH (1) = 1.550 ALPHA (4) = -2.010 RNL = 3.743 PTO = 1974.500 PO = 499.800 TPO = 120.800

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1202	.1769	.2228
.250	-.1892	-.1819	
.362	-.0810		
.400		-.2797	
.419	-.2039		
.550		-.2532	-.2966
.600			-.3378
.697	-.0814		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S2 (TOP WING) 11

(RBT53)

MACH (1) = 1.550 ALPHA (4) = -2.010

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

.725

.750

.800

.850

.900

.950

.600

.697

-.3273

-.1819

-.0608

-.3613

-.1566

-.1776

-.0978

-.2626

-.3378

-.0814

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S2 (TOP WING) 11

(RBVT53)

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0382 .0688 .1402
 .250 .2965 -.2476
 .362 -.1247
 .400 .3558
 .419 -.2729
 .550 -.3416 -.3941
 .600 -.3861
 .697 -.2114
 .700
 .725 -.2718
 .750 -.4073
 .806 -.1264
 .850 -.2313
 .900 -.1813
 .950 -.1791
 .951 -.0067
 .966 -.0114

MACH (1) = 1.550 ALPHA (7) = 3.950

RNL = 3.743

PTO = 1974.500

PO = 499.800

TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0092 .0426 .1022
 .250 .3324 -.2755
 .362 -.1426
 .400 .3750
 .419 -.2921
 .550 -.3674 -.4163
 .600 -.3994
 .697 -.2306
 .700
 .725 -.2954
 .750 .4495
 .806 -.1677
 .850 .4464
 .900 -.2647
 .950 -.2359
 .951 -.2209
 .966 -.0260
 .966 -.0278

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 11

(RBVT53)

MACH (1) = 1.550 ALPHA (8) = 5.930 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 125.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 1.550 ALPHA (9) = 7.950 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 125.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 ON T1 S2 (TOP WING) 11

(RBVT34) (04 APR 74)

REFERENCE DATA

SREF = 2691.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.970 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTD = 127.555

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2833 .3082 .3379
 .230 -.0702 -.0208
 .362 -.0112 -.1903
 .400 -.1164 -.1726 -.1885
 .419 -.1726 -.1885 -.2456
 .550 -.0126
 .600 -.0178 -.2240
 .697 -.0193 .0032
 .700 -.0178 -.2240
 .725 .0350 .1147
 .750 .0350 .1147
 .806 .0350 .1147
 .850 .0350 .1147
 .900 .0350 .1147
 .951 .0971
 .956 .0824

MACH (1) = 1.550 ALPHA (2) = -5.960 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTD = 127.555

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2319 .2736 .3055
 .230 -.1077 -.0673
 .362 -.0454 -.2231
 .400 -.1421 -.2069 -.2241
 .419 -.1421 -.2069 -.2241
 .550 -.0429
 .600 -.0429
 .697 -.0429
 .700 -.0429
 .725 -.0914
 .750 -.0914
 .806 -.0914
 .850 -.0914

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S2 (TOP WING) 11

(RBVT54)

MACH (1) = 1.550 ALPHA (2) = -5.960

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900

.950

.951

.966

.0239

.0279

-.2369

MACH (1) = 1.550 ALPHA (3) = -3.970 RNL = 3.965 PTO = 2123.000 FO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950

.950

.962

.400

.419

.550

.600

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966

.1880

-.1530

-.0586

-.1765

-.2403

-.2622

-.0882

-.1479

-.2939

-.0327

-.1115

.0050

-.0436

-.2623

-.3036

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 3.965 PTO = 2123.000 FO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950

.950

.962

.400

.419

.550

.600

.697

.1180

-.1929

-.0820

-.2096

-.2698

-.2966

-.1815

-.2842

-.3350



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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(RBVTS4)

ARC 97-710 1A12B O1 T1 S2 (TOP WING) 11

MACH (1) = 1.550 ALPHA (4) = -1.980

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.3278
 .725 -.1805
 .750 -.3628
 .806 -.0629
 .850 -.1563
 .900 -.0357
 .950 -.0978
 .951 .0122
 .965 -.5016

-.2611

MACH (1) = 1.550 ALPHA (5) = .020

RNL =

3.965

PTO =

2123.000

PO =

537.889

TTO =

127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0856 .1324 .1922
 .250 -.2368 -.2184
 .362 -.1029
 .400 -.3454
 .419 -.2378
 .500 -.3040 -.3390
 .600 -.3716
 .697 -.1842
 .700 -.3613
 .725 -.2233
 .750 -.3949
 .806 -.0918
 .850 -.2055
 .900 -.0754
 .950 -.1417
 .951 -.0703
 .966 -.0136

-.2871

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF T1 S2 (TOP WING) 11

(RBVT54)

MACH (1) = 1.550 ALPHA (6) = 2.540 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0383	.0084	.1445
.250	-.2935	-.2470	
.362	-.1214		
.400		-.3544	
.419	-.2713		
.550	-.3391	-.3919	
.600			-.3854
.697	-.2338		
.700		-.4061	
.725	-.2687		
.730			-.4281
.806	-.1244		
.850		-.2294	
.900	-.1261		
.950		-.1764	
.951	-.0037		-.3147
.966	-.0101		

MACH (1) = 1.550 ALPHA (7) = 4.020 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0093	.0426	.1011
.250	-.3308	-.2733	
.362	-.1415		
.400		-.3816	
.419	-.2967		
.550	-.3706	-.4141	
.600			-.3988
.697	-.2572		
.700		-.4473	
.725	-.2956		
.750			-.4436
.806	-.1686		
.850		-.2632	
.900	-.1743		
.950		-.2211	
.951	-.0227		-.3566
.966	-.0231		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S2 (TOP WING) 11

(RBY754)

MACH (1) = 1.550 ALPHA (0) = 6.010 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			-.0469	-.0049		.0070
.250			-.3342		-.3082	
.362	-.1627					
.400				-.4080		
.419						
.550		-.3123		-.3895	-.4381	
.600						-.4262
.697	-.2823					
.700				-.4659		
.725			-.3450			
.750					-.4647	
.806		-.2209				
.850			-.3010			
.900		-.2197			-.3922	
.950			-.2627			
.951		-.0373				
.966	-.0268					

MACH (1) = 1.550 ALPHA (9) = 7.980 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			-.0971	-.1052		-.0973
.250			-.4048		-.3782	
.362	-.1896					
.400				-.4522		
.419						
.550		-.3459		-.4286	-.4701	
.600						-.4656
.697	-.3007					
.700				-.4956		
.725			-.3645			-.4277
.750						
.806		-.2624				
.850				-.3523		-.3458
.900			-.2786			
.950				-.3062		
.951		-.0229				
.966	-.0327					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP WING) 11

(RBVT55) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 CINGAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.560 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2743	.3157		.3590
.250			-.0266		.0049	
.362	.0220					
.400				-.1177		
.419						
.550		-.0802		-.1243	-.1329	
.600						-.1416
.697		-.0608				
.700				-.1641		
.725			-.1457			
.750					-.1722	
.806						
.850		.0052		-.1412		
.900			.0015			-.1280
.950				-.0267		
.951						
.966			.1087			

MACH (1) = 2.001 ALPHA (2) = -5.550 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2149	.2542		.3247
.250			-.0752		-.0315	
.362	-.0100					
.400						
.419				-.1417		
.550		-.1014				
.600			-.1584	-.1569		
.697		-.0934				-.1720
.700				-.1860		
.725			-.1660			
.750						-.1946
.806		-.0456				
.850						-.1660

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 Q1 T1 S2 (TOF WING) 11

(RBVTSS)

MACH (1) = 2.001 ALPHA (2) = -5.550

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.0152	-.0751	-.1594
.950			
.951	.0649		
.966	.0555		

MACH (1) = 2.001 ALPHA (3) = -3.540 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1616	.2019	.2844
.250	-.1089	-.0663	
.362	-.0365		
.400		-.1668	
.419	-.1247	-.1820	-.1929
.590			
.600			
.697	-.1132	-.2082	
.700			
.725	-.1862	-.2204	
.750			
.826	-.0724	-.1914	-.1811
.850		-.0523	-.1117
.900			
.950			
.951	.0368		
.966	.0353		

MACH (1) = 2.001 ALPHA (4) = -1.530 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1213	.1568	.2768
.250	-.1507	-.1001	
.362	-.0478		
.400		-.1930	
.419	-.1338	-.2066	-.2096
.590			
.600			
.697	-.1180		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 224

ARC 97-710 1A128 Q1 T1 S2 (TOP WING) 11

(RBT55)

MACH (1) = 2.001 ALPHA (4) = -1.530

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 2.001 ALPHA (5) = .460

RNL = 3.459 PTO = 2122.556 PO = 271.000 T70 = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T. 52 (TOP MINING) 11

(RBT55)

MACH (1) = 2.001 ALPHA (6) = 2.460 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050			.0720	.1442		.2297
.250			-.2174		-.1249	
.362	-.0855					
.400				-.2309		
.419		-.1817				
.550			-.2376	-.2582		
.600						-.2325
.697	-.1546					
.700				-.2760		
.725			-.2204		-.2737	
.750						
.856		-.1450				
.850				-.2641		
.900			-.1283			-.2129
.950				-.1317		
.951		-.0280				
.956	-.0219					

MACH (1) = 2.001 ALPHA (7) = 4.460 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050			.0597	.1186		.1972
.250			-.2227		-.1511	
.362	-.0911					
.400				-.2404		
.419		-.2011				
.550			-.2666	-.2684		
.600						-.2428
.697	-.1658					
.700				-.2882		
.725			-.2350			
.750						
.856		-.1661			-.2831	
.850				-.2498		
.900			-.1692			-.2219
.950				-.1464		
.951		-.0673				
.966	-.0194					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP MING) 11 (RBVT55)

MACH (1) = 2.001 ALPHA (8) = 6.460 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0450	.0976	.1645
.250	-.2354	-.1723	
.362	-.1240		
.400		-.2516	
.419	-.2407	-.2785	
.550	-.2910		-.2565
.600			
.697	-.2026		
.700		-.2974	
.725	-.2665		-.2915
.750			
.806	-.2089		
.850		-.2735	
.900	-.2018		-.2371
.950		-.1687	
.951	-.1202		
.966	-.0111		

MACH (1) = 2.001 ALPHA (9) = 6.450 RNL = 3.459 PTO = 2122.556 PO = 271.000 TTO = 115.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0436	.0763	.1370
.250	-.2336	-.1907	
.362	-.1160		
.400		-.2572	
.419	-.2423	-.2853	
.550	-.2926		-.2615
.600			
.697	-.1973		
.700		-.3030	
.725	-.2799		-.2976
.750			
.806	-.2151	-.2746	
.850		-.2262	-.2473
.900		-.1876	
.950	-.1366		
.951			
.966	.0114		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S2 (TOP WING) 11

(RBVT56) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CTR = .409 SWEPT = .557
 POWER = 1.000 GINGAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.560 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090		.2774	.3174		.3666	
.250		-.0299		.0038		
.362	.0287					
.400			-.1029			
.419		-.0600				
.550			-.1260	-.1344		
.600					-.1389	
.697	-.0320					
.700			-.1623			
.725		-.1437				
.750				-.1731		
.806		.0048				
.850			-.1411			
.900		-.0132		-.1254		
.950			-.0275			
.951		.1065				
.956	.0976					

MACH (1) = 2.001 ALPHA (2) = -5.610 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.2139	.2545		.3257
.250			-.0710		-.0313	
.362	-.0061					
.400			-.1445			
.419		-.1010				
.550			-.1562	-.1571		
.600					-.1670	
.697	-.0845					
.700			-.1856			
.725		-.1656				
.750					-.1953	
.806		-.0463				
.850					-.1659	

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S2 (TOP WING) 11

(RBVT36)

MACH (1) = 2.001 ALPHA (2) = -5.610

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900 .920 .930 .951 .966 .0551
 -.1908 -.0773 -.1576
 .0827

MACH (1) = 2.001 ALPHA (3) = -3.610 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030 .1573 .2028 .2847
 .230 -.1207 -.0617
 .362 -.0415
 .400 -.1325 -.1690
 .419 -.1803 -.1782
 .590 .600
 .697 -.1146
 .700
 .725 -.2042
 .750 -.1816
 .806 -.0783
 .890 -.1066
 .920 -.0762
 .930 -.1067
 .951 .0274
 .966 .0238
 -.2161
 -.1815
 -.1920

MACH (1) = 2.001 ALPHA (4) = -1.620 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030 .1191 .1567 .2750
 .230 -.1547 -.0966
 .362 -.0550
 .400
 .419 -.1447
 .590
 .600
 .697 -.1237
 -.1958
 -.1933 -.2087
 -.2101

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S2 (TOP WING) 11

(RBVT56)

MACH (1) = 2.001 ALPHA (6) = 2.440 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTO = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030	.0711	.1426	.2275
.230	-.2096	-.1263	
.362	-.5863		
.400		-.2410	
.419	-.1875	-.2338	-.2670
.530			-.2336
.600			
.697	-.1549		
.700		-.2765	
.725	-.2217	-.2746	
.730			
.806	-.1486		
.890		-.2651	
.900	-.1268	-.2164	
.950		-.1312	
.951	-.0297		
.966	-.0238		

MACH (1) = 2.001 ALPHA (7) = 4.430 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTO = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030	.0629	.1187	.1957
.230	-.2235	-.1905	
.362	-.0924		
.400		-.2501	
.419	-.2003	-.2694	
.530		-.2665	-.2437
.600			
.697	-.1632		
.700		-.2891	
.725	-.2345	-.2835	
.730			
.806	-.1653		
.890		-.2958	
.900	-.1789	-.2236	
.950		-.1471	
.951	-.0694		
.966	-.0179		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OL T1 S2 (TOP MINE) 11

(RBVT56)

MACH (1) = 2.001 ALPHA (8) = 6.420 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0469	.0967	.1632
.250	-.2355	-.1720	
.362	-.1242		
.400		-.2574	
.419	-.2283	-.2786	
.550	-.2844		-.2556
.600			
.697	-.2022		
.700		-.2968	
.725	-.2664		-.2914
.750			
.806	-.1977	-.2714	
.850			-.2363
.900	-.1992	-.1684	
.950			
.951	-.1190		
.966	-.0040		

MACH (1) = 2.001 ALPHA (9) = 8.420 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0348	.0756	.1378
.250	-.2436	-.1907	
.362	-.1225		
.400		-.2555	
.419	-.2504	-.2856	
.550	-.3011		-.2658
.600			
.697	-.2066		
.700		-.3041	
.725	-.2808		-.2983
.750			
.806	-.2259	-.2706	
.850			-.2507
.900	-.2383	-.1897	
.950			
.951	-.1471		
.966	.0020		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 11

(GBVT57) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .409 SEMR = 1.245
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.570 RNL = 1.928 PTO = 1124.444 PO = 143.333 TPO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2729 .3253 .3686
 .230 -.0356 .0133
 .362 .0250
 .400
 .419 -.1098
 .550 -.0670 -.1320 -.1323
 .600
 .697 -.0202
 .700
 .725 -.1366
 .750 -.1700
 .806
 .850 -.0027 -.1370
 .900 -.1332
 .930 -.0201
 .951 .0841
 .966 .0887

MACH (1) = 2.001 ALPHA (2) = -5.540 RNL = 1.928 PTO = 1124.444 PO = 143.333 TPO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2210 .2636 .3326
 .230 -.0692 -.0298
 .362 -.0072
 .400
 .419 -.1406
 .550 -.0959
 .600 -.1583 -.1611
 .697 -.0457
 .700
 .725 -.1885
 .750 -.1648
 .806 -.0359
 .850 -.1882

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 ON T1 S2 (TOP WING) 11

(RBT57)

MACH (1) = 2.001 ALPHA (2) = -5.540

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.900					
.950					
.951					
.966					

MACH (1) = 2.001 ALPHA (3) = -3.540 RNL = 1.928 PTO = 1124.444 PO = 143.333 T70 = 95.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.090					
.250					
.362					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.850					
.900					
.950					
.951					
.966					

MACH (1) = 2.001 ALPHA (4) = -1.540 RNL = 1.928 PTO = 1124.444 PO = 143.333 T70 = 95.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.090					
.250					
.362					
.400					
.419					
.550					
.600					
.697					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 11

(BBVT57)

MACH (1) = 2.001 ALPHA (4) = -1.540

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

.725

.750

.806

.850

.920

.950

.951

.966

-.2256

-.1870

-.0971

-.2056

-.1842

-.1111

-.0002

.0133

-.2401

-.1926

MACH (1) = 2.001 ALPHA (5) = .450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TPO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.250

.362

.400

.419

.530

.600

.697

.700

.725

.750

.806

.850

.920

.950

.951

.966

.2547

-.1165

-.2239

-.2434

-.2620

-.2068

-.1278

-.2361

-.1991

-.1410

-.2668

-.2146

-.2137

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

-.1410

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(RBVT57)

ARC 97-710 1A128 01 T1 S2 (TOP WING) 11

MACH (1) = 2.001 ALPHA (6) = 2.450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0594 .1461 .2306
 .250 .2292 -.1321
 .362 -.0899
 .400
 .419 -.1924
 .550 .2257 -.2646
 .600
 .697 -.1209
 .700
 .725 -.2231
 .750
 .806 -.1472
 .850
 .900 .2164
 .950
 .951 -.0480
 .966 -.0227

MACH (1) = 2.001 ALPHA (7) = 4.400 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0301 .1145 .1973
 .250 .2399 -.1601
 .362 -.1047
 .400
 .419
 .550 .2237
 .600
 .697 -.1169
 .700
 .725 .2444
 .750
 .806
 .850
 .900
 .950
 .951
 .966

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 CI T1 S2 (TOP MING) 11

(RBT157)

MACH (1) = 2.001 ALPHA (8) = 6.450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0349	.0916	.1652
.250	-.2439	-.1824	
.362	-.1221		
.400		-.2618	
.419	-.2572	-.2874	-.2382
.550	-.2955		
.600			
.697	-.1199	-.3053	
.700		-.2883	-.2933
.725			
.750	-.1844	-.2914	-.2344
.800		-.2874	-.2197
.900			
.950			
.951	-.1106		
.966	-.0059		

MACH (1) = 2.001 ALPHA (9) = 8.420 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0147	.0730	.1361
.250	-.2683	-.1987	
.362	-.1472		
.400		-.2703	
.419	-.2820	-.2946	-.2491
.550			
.600			
.697	-.1344	-.2861	
.700		-.2936	-.2799
.725			
.750	-.2183	-.2914	-.2481
.800		-.2922	-.2655
.900			
.950			
.951	-.1266		
.966	-.0067		

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S2 (TOP WING) 21

(RBVT58) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 933.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SWMPR = 1.245
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.230 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 95.667
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0579 .0671 .1333
 .250 -.1486 -.1418
 .362 -.0841
 .400 -.2034
 .419 -.1546
 .550 -.1491 -.2119
 .600 -.2152
 .697 -.0855
 .700 -.2232
 .725 -.1871
 .750 -.2497
 .806 -.0946
 .850 -.1614
 .900 -.1851
 .950 -.0584
 .951 -.0508
 .966 -.0228

MACH (1) = 2.001 BETA (2) = -6.210 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 95.667
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0047 .0862 .1416
 .250 -.1564 -.1392
 .362 -.0628
 .400 -.2126
 .419 -.1447
 .550 -.1560 -.2215
 .600 -.1999
 .697 -.0614
 .700 -.2354
 .725 -.1871
 .750 -.2566
 .806 -.0960
 .850 -.1895

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TCF WING) 21 (RBVT58)

MACH (1) = 2.001 BETA (2) = -6.210

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.1841	-.0677	-.2073
.950			
.951	-.0370		
.966	.0155		

MACH (1) = 2.001 BETA (3) = -4.200 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 95.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0197	.0941	.1792
.250	-.1699	-.1323	
.362	-.0658		
.400		-.2163	
.419	-.1651		
.550	-.1681	-.2268	
.600			-.2175
.697	-.0654		
.700		-.2406	
.725	-.1923		
.750		-.2544	
.806	-.1313		
.850		-.2134	
.900	-.1889	-.0918	-.2131
.950			
.951	-.0462		
.966	-.0128		

MACH (1) = 2.001 BETA (4) = -2.190 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 95.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0502	.1020	.2223
.250	-.1816	-.1329	
.362	-.0573		
.400		-.2161	
.419	-.1517		
.550	-.1838	-.2344	
.600			-.1788
.697	-.0598		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B O1 T1 S2 (TOP WING) 21

(RBVT58)

MACH (1) = 2.001 BETA (4) = -2.190

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

MACH (1) = 2.001 BETA (5) = -.170

RNL = 1.944

PTO = 1121.000

PO = 143.111

TTO = 90.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.250						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.950						
.951						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S2 (TOP WING) 21

(RBT58)

MACH (1) = 2.001 BETA (6) = 1.830 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 95.667

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0963 .1925 .2888
 .250 .1993 -.1031
 .362 -.0826
 .400
 .419 -.1944 -.2225
 .550
 .635
 .697 -.0821
 .700
 .725 -.2215 -.2662
 .750
 .806 -.1419 -.2641
 .850
 .900
 .950 -.2194 -.2596
 .951 -.1515
 .966 -.0299
 .966 -.0133

-1.791

-1.791

MACH (1) = 2.001

BETA (7) = 3.850

RNL = 1.944

PTO = 1121.000

PO = 143.111

TTO = 95.667

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1514 .2271 .3218
 .250 .1855 -.0871
 .362 -.0497
 .400
 .419 -.1949 -.2141
 .550
 .600
 .697 -.0521
 .700
 .725 -.2399 -.2656
 .750
 .806 -.1363
 .850
 .900
 .950 -.2363 -.2625
 .951 -.1651
 .966 -.0332
 .966 -.0089

-1.732

-2.380

-1.803

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S2 (TOP WING) 21

(CB

MACH (1) = 2.001 BETA (0) = 5.860 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 90.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1919	.2576	.3548
.295	-.1656	-.0682	
.362	-.0235		
.400		-.1682	
.419	-.1929		
.550		-.2537	-.2302
.600			
.697	-.0240		-.1177
.700		-.2576	
.725		-.2420	
.790			-.2505
.806	-.1283		
.890		-.2540	
.900		-.2405	-.1768
.950		-.2020	
.951	-.0438		
.966	.0133		

MACH (1) = 2.001 BETA (9) = 7.870 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 90.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1956	.2855	.3824
.290	-.1802	-.0558	
.362	-.0052		
.400		-.1892	
.419	-.2034		
.550		-.2239	
.600			-.1798
.697	-.0076		
.700		-.2519	
.725		-.2379	
.790			-.2432
.806	-.1426		
.890		-.2483	-.1697
.900		-.2348	
.950		.2043	
.951	-.0587		
.966	-.0119		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 21

(RBVT59) (54 APR 74)

REFERENCE DATA

SREF = 2990.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0193 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.280 RNL = 3.514 FTO = 2122.111 FO = 271.000 TTD = 109.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.0373	.0677	.1321
.250	-.1408	-.1324	
.362	-.0775		
.400		-.1932	
.419	-.1423		
.550		-.1795	-.2099
.600			-.2260
.697	-.0758		
.700		-.2205	
.725		-.1905	-.2451
.750			
.806	-.0790		
.850		-.1651	
.920		-.1889	-.2190
.950		-.0879	
.951		-.0364	
.966	-.0909		

MACH (1) = 2.001 BETA (2) = -6.280 RNL = 3.514 FTO = 2122.111 FO = 271.000 TTD = 109.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0056	.0334	.1298
.250	-.1516	-.1321	
.362	-.0732		
.400		-.2111	
.419	-.1440		
.550		-.1923	-.2141
.600			-.2189
.697	-.0692		
.700		-.2284	
.725		-.1882	-.2477
.750			
.806	-.0946		
.850		-.1868	

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S2 (TOP WING) 21

(RBVT59)

MACH (1) = 2.001 BETA (2) = -6.260

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.900	-.1866	-.5975	-.2163
.930			
.951	-.0398		
.966	-.0989		

MACH (1) = 2.001 BETA (3) = -4.220 RNL = 3.514 FTO = 2122.111 PO = 271.000 TFO = 109.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0444	.0394	.1802
.250	-.1595	-.1240	
.362	-.0606		
.400		-.1855	
.419	-.1563		
.550	-.2008	-.2182	
.600			-.2150
.697	-.0609		
.700		-.2347	
.725	-.2009		
.750		-.2491	
.806	-.1327		
.850		-.2131	
.900	-.1996	-.2099	
.950		-.1067	
.951	-.0331		
.966	-.1170		

MACH (1) = 2.001 BETA (4) = -2.210 RNL = 3.514 FTO = 2122.111 PO = 271.000 TFO = 109.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0572	-.1010	.2146
.250	-.1849	-.1262	
.362	-.0774		
.400		-.1261	
.419	-.1539		
.550	-.1812	-.2290	
.600			-.2194
.697	-.0675		

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 C T1 S2 (TOP WING) 21

(RBYT59)

MACH (1) = 2.001 BETA (4) = -2.210

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-2.409
.725	-2.005
.750	-2.558
.806	-1.222
.850	-2.183
.900	-1.989
.950	-1.143
.951	-2.133
.966	-1.0271
	-1.184

MACH (1) = 2.001 BETA (5) = -1.170 RNL = 3.514 PTD = 2122.111 PO = 271.000 TTD = 159.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0612	.1532	.2569
.250	-.1794	-.1119	
.362	-.0732		
.400		-.1315	
.419	-.1565		
.550	-.2111	-.2365	
.600			-.2197
.697	-.0737	-.2580	
.700			
.725	-.2078		
.750		-.2604	
.806	-.1448		
.850		-.2311	
.900	-.2073		-.2113
.950		-.1288	
.951	-.0288		
.966	-.1183		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP WING) 21

(RBVT59)

MACH (1) = 2.001 BETA (6) = 1.840 RNL = 3.514 PTO = 2122.111 PO = 271.555 TTD = 159.500

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1196	.1970	.2955	
.250			-.1822		-.0934	
.362	-.0637					
.400				-.1744		
.419		-.1766				
.550			-.1805	-.2387		
.600					-.2049	
.697	-.0672					
.700				-.2643		
.725		-.2196				
.750					-.2593	
.806		-.1805				
.850			-.2563			
.900		-.2196			-.1997	
.950			-.1247			
.951		.0033				
.966	-.1041					

MACH (1) = 2.001 BETA (7) = 3.860 RNL = 3.514 PTO = 2122.111 PO = 271.555 TTD = 159.500

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1649	.2298	.3281	
.250			-.1688		-.0796	
.362	-.0346					
.400				-.1441		
.419		-.1821				
.550			-.1698	-.2329		
.600					-.2018	
.697	-.0351					
.700				-.2590		
.725		-.2328				
.750					-.2521	
.806		-.1303				
.850			-.2558			
.900		-.2318			-.1841	
.950			-.1363			
.951		-.0237				
.966	-.1015					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP WING) 21 (RBVTS9)

MACH (1) = 2.001 BETA (0) = 5.893 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTO = 109.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.2063	.2587		.3585
.250			-.1534	-.0565		
.362	-.0154					
.400			-.1717			
.419		-.1831				
.550			-.2455	-.2230		
.600					-.1908	
.697	-.0173					
.700			-.2517			
.725		-.2377				
.750				-.2456		
.806	-.1277					
.850			-.2472			
.900		-.2369			-.1722	
.950		-.1895				
.951		-.0376				
.966	-.0662					

MACH (1) = 2.001 BETA (9) = 7.520 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTO = 109.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.2280	.2872		.3887
.250			-.1427	-.0466		
.362	.0140					
.400			-.1783			
.419		-.1734				
.550			-.2413	-.2149		
.600					-.1822	
.697	.0142					
.700			-.2452			
.725		-.2325				
.750				-.2375		
.806	-.1129					
.850			-.2417			
.900		-.2306			-.1587	
.950		-.1910				
.951		-.0298				
.966	-.0666					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 21

(RBVT60) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 QFR = .409 SRMRP = .557
 POWER = 1.000 G1NGAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.270 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			-.0478	.0747		.1307
.250			-.1462		-.1335	
.362	-.0839					
.400				-.2151		
.419		-.1502				
.550			-.1789	-.2094		
.600						-.2370
.697	-.0842			-.2219		
.700			-.1939			
.725					-.2466	
.750						
.806		-.0857				
.850			-.1654			
.900			-.1913		-.2198	
.950			-.0829			
.951		-.0436				
.966	-.0444					

MACH (1) = 2.001 BETA (2) = -6.250 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0039	.0839		.1295
.250			-.1529		-.1336	
.362	-.0676					
.400				-.2122		
.419		-.1444				
.550			-.1872	-.2145		
.600						-.2299
.697	-.0680			-.2294		
.700			-.1898			
.725					-.2482	
.750						
.806		-.0945				
.850						-.1851

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S2 (TOP MIN6) 21

(RBYT60)

MACH (1) = 2.001 BETA (2) = -6.250

SECTION (1) MIN6 DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920 -.1886 -.2163

.950 -.0952

.951 -.0379

.966 -.0369

MACH (1) = 2.001 BETA (3) = -4.230 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) MIN6 DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0504 .0946 .1827

.250 -.1923 -.1243

.362 -.0907

.400 -.2031

.419 -.1462

.550 -.1980 -2162

.600 -.0931 -.2223

.697 -.2346

.725 -.1990

.750 -.2497

.806 -.1091

.850 -.2118

.900 -.1975

.950 -.1046

.951 -.0261

.966 -.0263

MACH (1) = 2.001 BETA (4) = -2.210 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) MIN6 DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0614 .1040 .2197

.250 -.1717 -.1255

.362 -.0827

.400 -.1782

.419 -.1477

.550 -.1971 -2263

.600 -.0261 -.2244

.697 -.0625

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B CL T1 S2 (TOP WING) 21

(RBT60)

MACH (1) = 2.001 BETA (4) = -2.210

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

-.2378

.725

-.1980

.750

-.2533

.876

-.1049

.893

-.2159

.900

-.1965

.930

-.1118

.931

-.0204

.966

-.0422

-.2065

MACH (1) = 2.001 BETA (5) = -.180 RNL = 3.479 PTO = 2115.556 FO = 270.111 TTO = 111.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030

.0815

.2549

.250

-.1739

-.1103

.362

-.0778

.400

-.2104

.419

-.1601

.550

-.2079

.600

-.2324

.697

-.0849

.700

-.2545

.725

-.2071

.750

-.2593

.806

-.1168

.850

-.2292

.900

-.2028

.950

-.1268

.951

.3131

.966

-.0085

-.2086

-.2200

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S2 (TCP WING) 21

(RBYT60)

MACH (1) = 2.001 BETA (6) = 1.840 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1152	.1993		.2943
.250			-.1812		-.0912	
.362	-.0644					
.400				-.2134		
.419		-.1726				
.550			-.2314	-.2343		
.600						-.2113
.697	-.0632					
.700				-.2608		
.725		-.2154				
.750					-.2558	
.856		-.1200				
.890			-.2533			
.900		-.2134				-.1976
.950			-.1214			
.951		.0029				
.966	.0234					

MACH (1) = 2.001 BETA (7) = 3.870 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090			.1673	.2340		.3263
.250			-.1634		-.0762	
.362	-.0326					
.400				-.1935		
.419		-.1793				
.550			-.2336	-.2283		
.600						-.2018
.697	-.0435					
.700				-.2564		
.725			-.2303			-.2501
.750		-.1217				
.856				-.2526		
.890			-.2288			-.1838
.900				-.1342		
.950						
.951		-.0192				
.966	.0472					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (TOP WING) 21

(RBVT60)

MACH (1) = 2.001 BETA (8) = 5.890 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2065	.2639		.3586
.250			-.1551		-.0593	
.362	-.0114					
.400				-.1845		
.419						
.550		-.1802	-.2410	-.2201		
.600						-.1921
.697	-.0350			-.2486		
.700						
.725		-.2341			-.2431	
.750						
.806		-.1206		-.2448		
.850			-.2286			-.1708
.900			-.1872			
.951		-.0328				
.966	.0827					

MACH (1) = 2.001 BETA (9) = 7.920 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.2277	.2912		.3913
.250			-.1434		-.0436	
.362	.0165					
.400				-.1774		
.419						
.550		-.1688	-.2409	-.2118		
.600						-.1827
.697	.0024			-.2426		
.700						
.725		-.2291				
.750						
.806		-.1100			-.2358	
.850				-.2388		
.900		-.2181				-.1577
.950			-.1903			
.951		-.0306				
.966	.1055					

ARC 97-719 1A12B 01 Y1 S2 (TCP WING) 21

(RBVT61) (04 APR 74)

REFERENCE DATA

SEF = 2690.0000 SQ.FT. YARP = 953.0000 IN.
LEF = 1328.0000 IN. YARP = .0000 IN.
BEF = 1328.0000 IN. ZARP = 400.0000 IN.
SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA =	.000	RUDDER =	.000
OPR =	.433	SNPR =	1.000
POWER =	1.000	GINBAL =	1.000

$\text{BETA}(1) = 1.595$ $\text{BETA}(1) = -8.230$ $\text{RNL} = 2.647$ $\text{PTO} = 1345.556$ $\text{FO} = 340.667$ $\text{TTO} = 105.000$

SECTION 11111

DEPENDENT VARIABLE CP

ETA	.2990	.4275	.5340	.6735	.7820	.8870
-----	-------	-------	-------	-------	-------	-------

278

.090	-.0320	.0495		.0950
.290	-.1884		-.2333	
.362				
.400	-.1514			
.419		-.2684		
.550				
.600		-.2512	-.2778	
.697		-.1881		-.3509
.700	-.1023			
.725			-.2821	
.750		-.1403		
.806			-.3470	
.890	-.1243			
.900		-.1275		
.950		-.1400	-.0430	-.2496
.951				
.966	-.0663			
	-.0664			

$$\begin{aligned} \text{WACH (1)} &= 1.550 & \text{BETA (2)} &= -6.193 & \text{RRL} &= 2.647 & \text{PTO} &= 1345.556 & \text{PO} &= 340.667 & \text{TTO} &= 105.033 \end{aligned}$$

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.299J	.427J	.534J	.673J	.780J	.897J
-----	-------	-------	-------	-------	-------	-------

28

.050	-.0023	.0735	-.2397	.1151
.250	-.2131			
.362	-.1026			
.403		-.3124		
.419	-.1959			
.550	-.2625	-.2893		
.600				-.3617
.697	-.1062			
.700		-.3175		
.725	-.1576			
.750			-.3579	
.806	-.1161			
.850			-.1429	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 253

ARC 97-710 1A128 O1 T1 S2 (TOP WING) 21

(RBVT61)

MACH (1) = 1.550 BETA (2) = -6.190

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.950
 .350
 .951
 .966
 -.0531

-.1471
 -.0595
 -.0556

-.2570

MACH (1) = 1.550 BETA (3) = -4.170 RNL = 2.647 PTO = 1345.556 PO = 340.667 TPO = 105.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .950
 .951
 .966
 -.0491

.0304 .0959
 -.2323
 -.3118
 -.2208
 -.2849
 -.3599
 -.1102
 -.3322
 -.1870
 -.1096
 -.1626
 -.0840
 -.0430

-.2373
 -.3118
 -.3782
 -.2798
 -.3747

.1370

MACH (1) = 1.550 BETA (4) = -2.150 RNL = 2.647 PTO = 1345.556 PO = 340.667 TPO = 105.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .250
 .362
 .400
 .419
 .550
 .600
 .697
 -.1085

.0611 .1108
 -.2330
 -.2265
 -.2914
 -.2241
 -.2875
 -.3261

-.2265
 -.2914
 -.3261
 -.3667

.1706

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 254

ARC 97-710 1A12B ON T1 S2 (TOP MING) 21

(RBVT61)

MACH (1) = 1.550 BETA (4) = -2.195

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700	-.3475
.725	-.1973
.750	-.3867
.775	
.800	-.1064
.825	-.1811
.850	-.1911
.875	-.1168
.900	-.2829
.925	-.0346
.950	
.975	-.0356
.999	

MACH (1) = 1.550 BETA (5) = -.140 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0833	.1361	.1966
.250	-.2425	-.2166	
.382	-.1058		
.400		-.3093	
.419	-.2450	-.3393	-.3674
.550	-.3112		
.600		-.3657	
.697	-.1592		
.700	-.2210	-.3967	
.725			
.750	-.1048		
.806		-.2056	-.2848
.850	-.0903	-.1406	
.900			
.950	-.0139		
.951			
.966	-.0210		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 255

MACH (1) = 1.550 BETA (6) = 1.880 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTD = 105.000
 (RBVT61)

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0803	.1444		.2077
.250			-.2636		-.2078	
.362	-.1111					
.400				-.3442		
.419		-.2488				
.550			-.3218	-.3511		
.600						-.3615
.697	-.1532					
.700				-.3815		
.725			-.2384		-.4102	
.730						
.806		-.1067				
.850			-.2237			-.2848
.900		-.2217		-.1414		
.950						
.951		.0080				
.966	-.0001					

MACH (1) = 1.550 BETA (7) = 3.900 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTD = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.0764	.1484		.2249
.250			-.2884		-.2067	
.362	-.0993					
.400				-.3141		
.419		-.2626				
.550			-.3396	-.3712		
.600						-.3602
.697	-.1312					
.700				-.3940		
.725			-.2855			
.730					-.4090	
.806		-.1256				
.850			-.2543			
.900			-.2668			-.2810
.950				-.1457		
.951		.0219				
.966	.0262					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP MING) 21

(RBVT61)

MACH (1) = 1.550 BETA (9) = 5.930 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0800 .1587 .2445
 .250 .2809 .1198
 .362 .3406
 .400 .419 .2321 .3361 .3712 .3510
 .550 .697 .5822
 .600 .720 .725 .750 .806 .850 .900 .950 .951 .966 .9701
 .1192 .2956 .4104 .4091 .2461 .2801 .1475 .27.3 .0452

MACH (1) = 1.550 BETA (9) = 7.950 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0996 .1720 .2615
 .250 .2784 .1895
 .362 .0538 .3099
 .400 .419 .2825 .3462 .3671 .3518
 .550 .600 .697 .0904 .700 .725 .750 .806 .850 .900 .950 .951 .966 .9701
 .1273 .2941 .4117 .4035 .2175 .2787 .1526 .2792 .0498

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S2 (TOP WING) 21

(RBVT62) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 QPR = .433 SWEEP = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.250 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0249 .0323 .0951
 .290 -.1816 -.2355
 .400 -.0977 -.2813
 .419 -.1839 -.2453 -.2760
 .590 -.1159 -.2687
 .600 -.1133 -.1276
 .697 -.1387 -.0430
 .700 -.0620
 .725 -.0607
 .750 -.3456
 .806 -.1276
 .850 -.2507
 .920
 .950
 .951
 .966

MACH (1) = 1.550 BETA (2) = -6.220 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0144 .0745 .1166
 .290 -.2051 -.2411
 .362 -.0944 -.3207
 .400 -.1692 -.2558 -.2854
 .419 -.1407 -.3142
 .590 -.1806 -.3559
 .600 -.1093 -.1405
 .697
 .700
 .725
 .750
 .806
 .850

DATE 15 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S2 (TOP WING) 21

(RBT62)

MACH (1) = 1.550 BETA (2) = -6.220

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.920
 .930
 .951
 .966

-.0694
 -.0594
 -.0492
 -.0510

-.2556

MACH (1) = 1.550 BETA (3) = -4.190 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .290
 .362
 .400
 .419
 .590
 .600
 .697
 .700
 .725
 .750
 .806
 .850
 .900
 .930
 .951
 .966

.0470 .0961
 -.2239
 -.0992
 -.2126
 -.2728
 -.3080
 -.1327
 -.1882
 -.0951
 -.0818
 -.0979
 -.0315
 -.0455

.3313
 -.3745
 -.1614
 -.2768

.1355
 -.2359
 -.3744

MACH (1) = 1.550 BETA (4) = -2.170 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .290
 .362
 .400
 .419
 .550
 .600
 .697

.0743 .1152
 -.2289
 -.1051
 -.2229
 -.2903
 -.3243

.1711
 -.2273
 -.3114
 -.3703

-.1324

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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(RSVT62)

ARC 97-710 1A128 OL T1 S2 (TOP WING) 21

MACH (1) = 1.593 BETA (4) = -2.170

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700 -.3428

.725 -.1992

.750 -.3851

.806 -.0968

.850 -.1775

.900 -.1367

.950 -.1148

.951 -.0280

.966 -.0373

MACH (1) = 1.593 BETA (5) = -.140 RUL = 3.735 FTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.250

.362

.400

.419

.550

.600

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966

.0908

.1316

.2189

.3456

.3378

.3624

.3691

.3940

.3940

.3940

.3940

.3940

.3940

.3940

.3940

.3940

.3940

DATE 13 JUN 74

INSULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 260

ARC 97-710 1A12B ON T1 S2 (TOP MINING) 21

(SERV762)

MACH (1) = 1.550 BETA (1) = 1.900 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						.2100
.290						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.951						
.966						

MACH (1) = 1.550 BETA (1) = 1.900 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						.2203
.290						
.362						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.850						
.900						
.951						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF 11 S2 (TOP WING) 21

(RBVT62)

MACH (1) = 1.550 BETA (8) = 5.990 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0912	.1542	.2436
.250	-.2833	-.1972	
.362	-.0656		
.400		-.3441	
.419	-.2626		
.550	-.3351	-.3694	
.600			-.3563
.697	-.1778		
.700		-.4098	
.725	-.3009		
.750		-.4075	
.806	-.1256		
.850		-.2340	
.900	-.1299		-.2802
.950		-.1517	
.951	.0487		
.966	.0639		

MACH (1) = 1.550 BETA (9) = 7.980 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1082	.1712	.2597
.250	-.2786	-.1908	
.362	-.0462		
.400		-.3349	
.419	-.2643		
.550	-.3439	-.3681	
.600			-.3502
.697	-.1929		
.700		-.4111	
.725	-.3024		
.750		-.4036	
.806	-.1280		
.850		-.2136	
.900	-.1342		-.2724
.950		-.1584	
.951	.0617		
.966	.0978		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S2 (TOP WING) 21

(RBVT63) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. WREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 CINGAL = 1.000

MACH (1) = 1.550 BETA (1) = -9.250 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0124 .0569 .0981
 .250 -.1793 -.2322
 .362 -.0923
 .400
 .419 -.1752 -.2569
 .550 -.2400 -.2749
 .600 -.3506
 .697 -.1456
 .700 -.2673
 .725 -.1403
 .750
 .806 -.1094
 .850 -.1292
 .900 -.0846 -.2521
 .950 -.0416
 .951 -.0550
 .966 -.0554

MACH (1) = 1.550 BETA (2) = -6.220 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0161 .0789 .1182
 .250 -.2037 -.2357
 .362 -.0931
 .400
 .419 -.1675
 .550 -.2515 -.2852
 .600 -.3682
 .697 -.1390
 .700 -.3139
 .725 -.1576
 .750 -.3536
 .806 -.1086
 .850 -.1390

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 264

ARC 97-710 1A128 01 11 52 (TGF WING) 21

MACH (1) = 1.550 BETA (4) = -2.100

(R8VT63)

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.700

.725

.750

.806

.850

.900

.950

.951

.966

-.3437

-.1966

-.0912

-.3845

-.1778

-.0557

-.1157

-.2888

-.0225

-.0358

MACH (1) = 1.550 BETA (5) = -.120 RUL = 3.722 PTO = 1980.333 PO = 501.444 TTD = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.530

.250

.362

.400

.419

.550

.600

.697

.700

.725

.750

.806

.850

.900

.950

.951

.966

.0917

.1342

.1975

-.2164

-.3432

-.3384

-.3696

-.3623

-.3957

-.2082

-.0697

-.1416

-.2879

-.0020

-.0214

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 263

- ARC 97-710 1A128 Q1 T1 S2 (TOP WING) 21

(RBYT63)

MACH (1) = 1.550 BETA (6) = 1.690 RNW = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0872	.1430	.2100
.250	-.2650	-.2064	
.362	-.0961		
.400		-.3484	
.419	-.2455		
.550	-.3192	-.3478	
.600			-.3642
.697	-.2044		
.700		-.3777	
.725	-.2371		
.750		-.4075	
.806	-.0986		
.850		-.2166	
.900	-.0955		1.2871
.950		-.1424	
.951	.0199		
.966	.0085		

MACH (1) = 1.550 BETA (7) = 3.920 RNW = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0870	.1392	.2236
.250	-.2759	-.2012	
.362	-.0690		
.400		-.3393	
.419	-.2476		
.550	-.3200	-.3703	
.600			-.3607
.697	-.2190		
.700		-.3946	
.725	-.2918		
.750		-.4069	
.806	-.1152		
.850		-.2421	
.900	-.1161		-.2803
.950		-.1468	
.951	.0080		
.966	.0400		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 266

ARC 97-710 1A12B 01 T1 S2 (TOP WING) 21

(BBVT63)

MACH (1) = 1.550 BETA (8) = 5.960 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870
 X/C

.090 .0919 .1562 .2440
 .250 -.2841 -.1978
 .362 -.0640
 .400 -.3517
 .419 -.2564
 .550 -.3352 -.3693
 .600 -.3555
 .697 -.2023
 .700 -.0039
 .725 -.2983
 .750 -.4062
 .806 -.1257
 .850 -.2365
 .900 -.1214 -.2799
 .950 -.1527
 .951 .0507
 .966 .0694

MACH (1) = 1.550 BETA (9) = 7.980 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870
 X/C

.090 .1073 .1739 .2642
 .250 -.2755 -.1890
 .362 -.0397
 .400 -.3421
 .419 -.2561
 .550 -.3433 -.3672
 .600 -.3475
 .697 -.2088
 .700 -.4099
 .725 -.3003
 .750 -.4043
 .806 7.1257
 .850 -.2125
 .900 -.1241 -.2713
 .950 -.1566
 .951 .0651
 .966 .1032

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 267

ARC 97-710 1A128 02 T1 S1 (BOTTOM WING) 11

(RBVB01) (24 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
LREF = 1328.0000 IN. YMRP = .0000 IN.
BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
SCALE = .0193 SCALE

PARAMETRIC DATA

BETA	=	!	.000	RUDDER	=	.000
POWER	=		.000	GIMBAL	=	1.000

WACH (1) = 2.023 ALPHA (1) = -7.550 RNL = 3.518 PTO = 2122.593 PO = 271.100 TPO = 108.705

SECTION (1) WING

ETA .2995 .4275 .5345 .6735 .7805 .8875

27

[illegible]

WACH (1) =	2.000	ALPHA (2) =	-5.520	RNL	=	3.518	P70	=	2122.500	P0	=	271.100	T70	=	108.700
--------------	-------	---------------	--------	-----	---	-------	-----	---	----------	----	---	---------	-----	---	---------

SECTION (1) WING	DEPENDENT VARIABLE CP
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
21	0.0000
22	0.0000
23	0.0000
24	0.0000
25	0.0000
26	0.0000
27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
35	0.0000
36	0.0000
37	0.0000
38	0.0000
39	0.0000
40	0.0000
41	0.0000
42	0.0000
43	0.0000
44	0.0000
45	0.0000
46	0.0000
47	0.0000
48	0.0000
49	0.0000
50	0.0000
51	0.0000
52	0.0000
53	0.0000
54	0.0000
55	0.0000
56	0.0000
57	0.0000
58	0.0000
59	0.0000
60	0.0000
61	0.0000
62	0.0000
63	0.0000
64	0.0000
65	0.0000
66	0.0000
67	0.0000
68	0.0000
69	0.0000
70	0.0000
71	0.0000
72	0.0000
73	0.0000
74	0.0000
75	0.0000
76	0.0000
77	0.0000
78	0.0000
79	0.0000
80	0.0000
81	0.0000
82	0.0000
83	0.0000
84	0.0000
85	0.0000
86	0.0000
87	0.0000
88	0.0000
89	0.0000
90	0.0000
91	0.0000
92	0.0000
93	0.0000
94	0.0000
95	0.0000
96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

ETA	.2993	.4273	.5340	.6730	.7803	.8870
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25

[illegible]

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 268

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

(RBV801)

MACH (1) = 2.000 ALPHA (3) = -4.570 RNL = 3.518 P70 = 2122.500 P0 = 271.100 T70 = 108.700

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1518
-.1112
-.0020
.0263
-.0162
-.0409
-.0085
-.1078
-.1655
-.0586
-.1401
T.1269
-.2047

-.1066
-.1054
-.1333

MACH (1) = 2.000 ALPHA (4) = -3.570 RNL = 3.518 P70 = 2122.500 P0 = 271.100 T70 = 108.700

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.597
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1204
-.1045
.0113
.0371
-.0065
-.0305
.0024
-.1041
-.0399
-.1347
-.0901
-.1159
-.1987

-.0787
-.0782
-.1181

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 269

ARC 97-710 1A12B C1 T1 S1 (BOTTOM WING)11

(RBWB01)

MACH (1) = 2.000 ALPHA (5) = -1.590 RNL = 3.518 FTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0545		-.0345
.400				-.0818		
.419		.0244				
.550			.0545			-.0355
.600						
.697	-.0005					
.700				.0106		
.725			.0376			
.750					-.0796	
.806		-.0860				
.832	-.1443					
.850				.0061		
.900		-.1024			-.1684	
.950				-.0667		
.966	-.2237					

MACH (1) = 2.000 ALPHA (6) = .440 RNL = 3.518 FTO = 2122.500 PO = 271.100 TTO = 108.700

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0137		.0244
.400				-.0420		
.419		.0165				
.550			.0878			.0180
.600						
.697	.0500			.0498		
.700						
.725			.1026			
.806		-.0590			-.0353	
.832	-.1095					
.850				.0477		
.900		-.0708				-.1383
.950				-.0358		
.966	-.2139					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 270

ARC 97-710 1A128 OF 11 S1 (BOTTOM MING)11

(REVERSE)

MACH (1) = 2.000 ALPHA (7) = 2.470 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 158.720

SECTION (1) MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				.0507		.0994
.400				.0033		
.419		.0531				
.550			.1456			
.600						.0733
.697	.1306					
.700				.1599		
.725			.1719			
.750					.0005	
.806						
.832	-.0699	-.0396				
.850				.0932		
.900		-.0482			-.0921	
.950			-.0016			
.966	-.2143					

MACH (1) = 2.000 ALPHA (8) = 4.460 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTO = 158.720

SECTION (1) MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				.1382		.1760
.400				.0806		
.419		.1056				
.550			.1712			.1431
.600						
.697	.1672			.2122		
.700			.1990			
.725					.0482	
.750						
.806		-.0167				
.832	-.0604					
.850				.1200		
.900		-.0290				-.0463
.950				.0102		
.966	-.2109					

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B

MACH (1) = 2.000 ALPHA (9) = 6.450 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTD = 108.700
 ARC 97-710 1A12B OF T1 S1 (BOTTOM WING)11 (RBV051)

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1856 .2830
 .400 .1562
 .419 .1908 .3916 .2124
 .550 .600 .697 .1754 .2812
 .700 .725 .750 .1804 .2710
 .806 .832 .850 .890 .900 .950 .966
 -.0456 -.0153 .1089 .1220
 -.0305 .0006
 -.2176

MACH (1) = 2.000 ALPHA (10) = 6.460 RNL = 3.518 PTO = 2122.500 PO = 271.100 TTD = 108.700

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .3053 .4074
 .400 .2920
 .419 .2214 .4107 .4335
 .550 .600 .697 .2541 .3010
 .700 .725 .750 .2046 .2567
 .806 .832 .850 .890 .900 .950 .966
 -.0152 .0803 .0871
 -.0486 -.0235
 -.2108

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 272

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

(GBW002) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SENFR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.590 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTD = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6790 .7800 .8870

X/C
 .090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .930
 .966
 -.0216
 -.1781
 -.1446
 -.0297
 .0041
 -.1631
 -.0561
 -.0271
 -.1193
 -.1543
 -.0804
 -.1541
 -.1456
 -.2336
 -.1413

MACH (1) = 2.000 ALPHA (2) = -5.620 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTD = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6790 .7800 .8870

X/C
 .090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .930
 .966
 -.1849
 -.1350
 -.1342
 -.0278
 .0209
 -.1274
 -.0403
 -.0147
 -.1134
 -.1395
 -.0660
 -.1464
 -.1356
 -.2093

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 273

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)111 (RBWB02)

MACH (1) = 2.000 ALPHA (3) = -3.610 RNL = 3.504 PTO = 2155.222 PC = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1351		-.0814
.400				-.1187		
.419						
.550		-.0135				
.600			.0298			
.697						-.0771
.700	-.0022					
.725				-.0337		
.750				.0050		
.806					-.1323	
.832		-.1068				
.850	-.1628					
.900			-.1366			
.950				-.0479		-.1991
.966				-.1173		
	-.1641					

MACH (1) = 2.000 ALPHA (4) = -1.590 RNL = 3.504 PTO = 2155.222 FO = 275.222 TTO = 116.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0646		-.0406
.400				-.0977		
.419						
.550		.0630				
.600			.0494			
.697						-.0326
.700	.0120			-.0087		
.725			.0343			
.750					-.0932	
.806						
.832	-.1489					
.850				.0240		
.900						-.1741
.950			-.1087			
.966				-.0706		
	-.1577					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 274

ARC 97-710 1A128 OL TL SL (BOTTOM WING) 11

(RBWB02)

MACH (1) = 2.000 ALPHA (5) = .410 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0307
-.0669
-.0003
.0810
.0315
.1019
-.0602
-.1239
-.0758
-.0453
-.0385
-.1407
-.0400
.0198
.0229

MACH (1) = 2.000 ALPHA (6) = 2.420 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.0273
-.0289
.0340
.1300
.1671
.1893
.1555
.0001
-.0417
-.0996
.0930
-.0927
-.0766
-.0954
-.1394

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 275

ARC 97-710 1A12B OL T1 S1 (BOTTOM MIN)111

(R8V802)

MACH (1) = 2.000 ALPHA (7) = 4.460 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0882	.1652
.400	.0434	
.419		
.530	.0985	
.600	.1466	.1435
.697	.1770	
.700		
.725	.1991	
.730		
.806	-.0309	.0455
.832	-.0539	
.850		
.900	-.0328	.1223
.950		-.0442
.966	-.1402	.0002

MACH (1) = 2.000 ALPHA (8) = 6.400 RNL = 3.504 PTO = 2155.222 PO = 275.222 TTO = 116.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1299	.2714
.400	.1156	
.419		
.530	.1458	
.600	.3878	.2238
.697	.1792	
.700		
.725	.1812	.2815
.730		.2701
.806	-.0190	
.832	-.0430	
.850		
.900	-.0255	.1095
.950		.0015
.966	-.1617	.1200

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 276

(BB1602)

ARC 97-710 1A128 01 11 31 (BOTTOM MINC)11

WAC (1) = 2.070 ALPHA (9) = 8.380 RNL = 3.504 PTO = 2155.222 PO = 275.222 TPO = 116.556

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6790 .7800 .8870

X/C

.590					
.470			.1924		.4073
.419			.2211		
.390		.2016			
.620		.4129			
.697	.2386				.4474
.700					
.725			.3709		
.790		.2705			
.876			.2561		
.832	-.0592	-.0136			
.890					
.970		-.0415	.0810		.0854
.990			-.0206		
.966	-.1486				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 277

ARC 97-715 1A12B 01 T1 S1 (BOTTOM WING)21

(081803) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = .400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 GINGAL = 1.000

MACH (1) = 2.000 BETA (1) = -0.280 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0950 -.0618
 .400 -.0242
 .419 .0244 .0000 .0599
 .550
 .600
 .697 -.0918
 .700
 .725 -.0476
 .750 -.1253 -.0330
 .806
 .832 -.1710
 .850
 .900 -.1409
 .950 -.147 -.1029
 .966 -.1271 -.1877

MACH (1) = 2.000 BETA (2) = -6.290 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697 -.0764
 .700
 .725
 .750
 .806
 .832 -.1633
 .850
 .900
 .950
 .966 -.1328

-.0913
 -.0271
 .0330
 .0256
 -.0867
 .0255
 -.1094
 -.1638
 -.0635
 .0488

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 278

ARC 97-710 1A12B ON T1 S1 (BOTTOM WING) 21

(RBV803)

WACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CR

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0822		-.0038
.400				.0158		
.419		.0090				
.550			.0038			
.600					.0928	
.697	-.0360					
.700				.0866		
.725			-.0117			
.750					-.0448	
.806			-.1348			
.832	-.1516					
.850				-.0470		
.900			-.1459			-.1170
.950				-.1274		
.966	-.1484					

WACH (1) = 2.000 BETA (4) = -2.200 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0475		.0201
.400				-.0621		
.419		.0268				
.550			.0033			
.600					.0276	
.697	.0599					
.700				-.0368		
.725			.0957			
.750					-.0323	
.806		-.0737				
.832	-.1225					
.850				.0365		
.900			-.0884			-.0992
.950				-.0556		
.966	-.1799					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 279

ARC 97-710 1A12B 01 T1 SI (BOTTOM WING)21

(081803)

MACH (1) = 2.000 BETA (5) = -.180 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTO = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.530					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.890					
.900					
.950					
.966					

MACH (1) = 2.000

BETA (6) =

1.840

RNL =

3.483

PTO =

2133.556

PO =

272.667

TTO =

114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.530					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.890					
.900					
.950					
.966					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 280

ARC 97-710 1A128 OR T1 SI (BOTTOM WING)21

(081803)

MACH (1) = 2.000 BETA (7) = 3.860 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTD = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7900 .8870

X/C

.090 .0474 .1122
 .000 -.0208
 .119 .2077 .2174 .1105
 .550 .2354 .2492 .1105
 .600 .1870 .0722
 .697 .0011
 .700 .0381
 .725 .1117
 .750 .0001
 .808 .0702
 .832
 .850
 .900
 .950
 .966 -.2049

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.483 PTO = 2133.556 PO = 272.667 TTD = 114.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7900 .8870

X/C

.090 .1093 .1470
 .400 .0066
 .419 .2787 .3219 .1374
 .550 .1936 .2976 .2151
 .600 .0135
 .697 .032
 .700 .1203
 .725 .0042
 .750 .0201
 .806
 .832
 .850
 .900
 .950
 .966 -.1896

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 281

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM MIN) 121

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.483 PTO = 2133.556 PO = 272.667 TPO = 114.889

(REVB03)

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.590				.1818		.1938
.400				.1186		
.419		.3431				
.550			.3686			.2238
.600						
.697	.3508			.3426		
.700						
.725			.2365		.2851	
.750						
.806		.0460				
.832	-.0012					
.850			.1437			
.900		.0135			.0351	
.950			.0211			
.966	-.1904					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 282

(RBND04) (04 APR 74)

ARC 97-710 1A12B 01 T1 S1 (BOTTOM MING)21

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

MACH (1) = 2.000 BETA (1) = -0.280 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTD = 116.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0956 -.0587
 .400 -.0135
 .419 .0299
 .550 .0246
 .600 .0973
 .697 -.0770
 .700 -.0432
 .725 -.1066
 .750 -.0370
 .806 -.1049
 .832 -.1022
 .850 -.1345
 .900 -.0889
 .950 -.1746
 .966 -.1067
 .980

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OPR = .433 SEMPR = .469
 POWER = 1.000 GINGAL = 1.000

MACH (1) = 2.000

BETA (2) = -0.280

RNL = 3.496

PTO = 2148.444

PO = 274.444

TTD = 116.222

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0922 -.0414
 .400 -.0270
 .419 .0239
 .550 .0371
 .600 .0499
 .697 -.0809
 .700 -.0042
 .725 -.0809
 .750 .0097
 .806 .1117
 .832 -.7904
 .850 -.1097
 .900 -.1348
 .950 -.1661
 .966 -.0837
 .980

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OR T1 S1 (BOTTOM MIN)21

(88V854)

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.496 PTD = 2148.444 PO = 274.444 TTD = 116.222

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.0755	-.0054
.400	.0180	
.419		
.550	.0202	
.600	.0473	.0955
.697	-.0289	
.700		
.725	-.0227	.0820
.750		.0233
.806	-.1212	
.832	-.0918	
.850	-.0581	-.1064
.900	-.1481	-.1329
.950		
.966	-.0867	

MACH (1) = 2.000 BETA (4) = -2.210 RNL = 3.496 PTD = 2148.444 PO = 274.444 TTD = 116.222

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.0528	.0158
.400	-.0558	
.419		
.550	.0383	
.600	.0236	.0285
.697	.0514	
.700		
.725	.0205	
.750	.0809	-.0262
.806		
.832	-.1118	
.850		
.900	.0279	-.0976
.950	-.0958	-.0666
.966	-.0912	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 284

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)21

(RBV804)

MACH (1) = 2.000 BETA (5) = -.100 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			-.0101		.0395
.419			-.0611		
.550		.0258			
.600			.1063		
.697					.0496
.700	.1049			.0938	
.725			.1261		
.750					-.0235
.806		-.0515			
.832	-.0588			.0649	
.850					-.1221
.900		-.0582		-.0256	
.950					
.966	-.1459				

MACH (1) = 2.000 BETA (6) = 1.840 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTO = 116.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			-.0086		.0797
.419			-.0422		
.550		.1354			
.600			.1461		.0699
.697					
.700	.1075		.0912		
.725			.1772		.0169
.750					
.806		-.0264			
.832	-.0461				
.850			.1075		-.1094
.900		-.0347		-.0012	
.950					
.966	-.2140				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-719 - 1A12B

PAGE 285

ARC 97-719 1A12B Q1 T1 S1 (BOTTOM WING)21

(RB1854)

MACH (1) = 2.000 BETA (7) = 3.870 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTD = 116.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0487 .1124
 .400 -.0148
 .419 .2142
 .550 .2284
 .600 .1155
 .697 .2497
 .700 .2531
 .725 .1892
 .750 .1010
 .806 -.0002
 .832 -.0398
 .850 .1129
 .900 -.0173
 .950 -.0006
 .966 -.1736

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.496 PTO = 2148.444 PO = 274.444 TTD = 116.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1187 .1491
 .400 .0137
 .419 .2673 .3276 .1414
 .550 .1954 .2990
 .600 .0148 .1740
 .697 .2991
 .700 .1241
 .725 .0001 .0171
 .750 .0206
 .806 -.0188
 .832 .1241
 .850 .0001
 .900 .0206
 .950 .0171
 .966 -.1741

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 286

ARC 97-710 1A129 CL T1 S1 (BOTTOM WING)21

(R08V804)

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.496 PTO = 2148.444 PO = 274.444 TIO = 116.222

SECTION (1)MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1777		.1949
.400				.1258		
.419		.3470				
.530			.3716			.2258
.600						
.697	.3806					
.700				.3450		
.725			.2445		.2824	
.730						
.806		.0455				
.832	.0099					
.850				.1465		.0351
.900			.0129			
.950				.0196		
.966	-.1610					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 287

REFERENCE DATA

STEP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ARC 97-710 1A128 ON 11 BOTTOM WING 121

(RBV805) (04 APR 74)

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 SRMR = .469 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 BETA (1) = -0.290 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600
 SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1039 -.0632
 .400 -.0235
 .419 .0280
 .500 .0006
 .600 .0718
 .697 -.0845
 .700 -.1160
 .725 -.0434
 .750 -.0343
 .806 -.1417
 .832 -.1272
 .850 -.1355
 .900 -.1489
 .950 -.1823
 .966 -.1045
 .966 -.1091

MACH (1) = 2.000 BETA (2) = -6.250 RNL = 3.475 PTO = 2127.300 PO = 271.600 TPO = 114.600
 SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0940 -.0352
 .400 -.0224
 .419 .0241
 .500 .0394
 .600 .0565
 .697 -.0695
 .700 .0012
 .725 -.0947
 .750 .0206
 .806 -.1453
 .832 -.1200
 .850 -.1087
 .900 -.1667
 .950 -.1617
 .966 -.1136
 .966 -.0617

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 288

ARC 97-710 1A128 ON T1 S1 (BOTTOM WING)21

(R818035)

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			-.0811		-.0053
.400			.0183		
.419		.0106			
.590				.0184	.0955
.600					
.697	-.0364				
.700			.0892		
.725		-.0192		-.0113	
.790					
.806	-.1356				
.832	-.1269				
.850			-.0486		
.900		-.1482		-.1161	
.950			-.1273		
.966	-.1248				

MACH (1) = 2.000 BETA (4) = -2.200 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			-.0562		.0125
.400			-.0697		
.419		.0288			
.590				.0081	
.600					.0278
.697	.0307				
.700			-.0238		
.725		.0859			
.750				-.0301	
.806	-.0785				
.832	-.1232				
.850			.0337		
.900		-.0924		-.0972	
.950			-.0612		
.966	-.1362				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 289

ARC 97-710 1A128 01 T1 S1 (BOTTOM MIN6)21

(RBV055)

MACH (1) = 2.050 BETA (5) = -.180 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.0149		.0363
.400			-.0694		
.419		.0239			
.550			.0993		.0446
.600					
.697	.0726				
.700			.0815		
.725			.1185		
.750				-.0305	
.806		-.0530			
.832	-.1054				
.850			.0572		
.900		-.0638		-.1276	
.950			-.0325		
.966	-.1887				

MACH (1) = 2.000 BETA (6) = 1.840 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.0194		.0632
.400			-.0557		
.419		.1299			
.550			.1364		.0617
.600					
.697	.1072				
.700			.0910		
.725			.1633		
.750				.0068	
.806		-.0368			
.832	-.0728				
.850			.0986		
.900		-.0444		-.1159	
.950			-.0086		
.966	-.2039				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 290

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING) 21

(REVB035)

MACH (1) = 2.000 BETA (7) = 3.860 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				.0336		.1004
.400				-.0287		
.419		.1985				
.550			.2013			
.600						.0940
.697	.2276					
.700				.2325		
.725			.1831			
.750					.0905	
.806		-.0068				
.832	-.0496					
.830				.1082		
.920		-.0223			-.0838	
.930				.0011		
.966	-.1954					

MACH (1) = 2.000 BETA (8) = 5.890 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTO = 114.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				.0925		.1349
.400				-.0024		
.419		.2709				
.550			.3001			.1260
.600						
.697	.2819					
.700				.2836		
.725			.1833			
.750					.2101	
.806		.0015				
.832	-.0253					
.830				.1156		
.920		-.0060			-.0128	
.930				.0046		
.966	-.1817					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 OF T1 SI (BOTTOM WING)21

(RB1805)

MACH (1) = 2.020 BETA (9) = 7.920 RNL = 3.475 PTO = 2127.300 PO = 271.600 TTD = 114.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.1606
.0900
.3351
.3902
.3319
.2254
.0401
.1371
.0104
.0166
.1848
.2162
.2473
-.0038

-.1823

ARC 97-719 1A12B OF 11 SI (BOTTOM WING) 11

(RBVB06) (54 APR 74)

REFERENCE DATA

SRF =	2690.0000	sq.ft.	YMRP =	953.0000	IN.
LRP =	1328.0000	IN.	YMRP =	.0000	IN.
BRF =	1328.0000	IN.	ZMRP =	400.0000	IN.
SCALE =	.0190	SCALE			

PARAMETRIC DATA

BETA	=	.000	RUDDER	=	.000
SNRFR	=	.469	POWER	=	1.000
GINBAL	=	1.000			

MAJOR (1) =	2.000	ALPHA (1) =	-7.550	RML	=	3.462	P70	=	2132.000	P0	=	272.222	T70	=	115.000
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SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.299J	.427J	.534J	.673J	.78J3	.887J
-----	-------	-------	-------	-------	-------	-------

0.90	-0.2279	-0.1739
.400	-0.1510	
.419		
.550		
.620	.0295	
.697		
.720		
.725		
.750		
.876		
.832		
.850		
.920		
.950		
.966		

WACH (1) =	2.000	ALPHA (2) =	-5.570	RNL	=	3.482	F70	=	2132.000	P0	=	272.222	T70	=	115.000
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SECTION (1) WINE

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
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[illegible]

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)111

(RBVB06)

MACH (1) = 2.000 ALPHA (3) = -3.540 RNL = 3.482 PTO = 2132.000 PO = 272.222 TIO = 115.000

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-0.074
-0.040
-0.0345
-0.0289
-0.0018
-0.1059
-0.1611
-0.1274
-0.0458
-0.1154
-0.1987
-0.1424
-0.1290
-0.0793
-0.0698
-0.1262

MACH (1) = 2.000 ALPHA (4) = -1.530

RNL = 3.482

PTO = 2132.000 PO = 272.222 TIO = 115.000

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-0.0754
-0.1114
-0.0754
-0.0392
-0.0261
-0.0519
-0.0323
-0.0889
-0.0901
-0.1466
-0.0055
-0.0993
-0.0694
-0.1747

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (BOTTOM WING)111

(RBNB006)

MACH (1) = 2.000 ALPHA (5) = .460 RNL = 3.482 PTO = 2132.000 PO = 272.222 TIO = 115.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.966						

MACH (1) = 2.000 ALPHA (6) = 2.460 RNL = 3.482 PTO = 2132.000 PO = 272.222 TIO = 115.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)11

(EBV806)

MACH (1) = 2.000 ALPHA (7) = 4.480 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.0764		.1803
.400				.0410		
.419		.1035				
.550			.1570			.1541
.600						
.697		.1727				
.700				.1910		
.725			.2029			
.750					.0432	
.806		-.0156				
.832	-.0624					
.850			.1121			
.900		-.0240				-.0461
.950			.0099			
.966	-.1764					

MACH (1) = 2.000 ALPHA (8) = 6.450 RNL = 3.482 PTO = 2132.000 PO = 272.222 TTO = 115.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1248		.2812
.400				.1147		
.419		.1482				
.550			.3940			.2362
.600						
.697		.1786				
.700				.2814		
.725			.1627			
.750					.2727	
.806		-.0156				
.832	-.0443					
.850			.1104			.1217
.900		-.0176				
.950			.0002			
.966	-.1843					

TABULATED SOURCE DATA - ARC 97-710 - 1A128

(RBV806)

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

MACH (1) = 2.000 ALPHA (9) = 8.480 RNL = 3.482 PTO = 2132.000 PO = 272.222 TIO = 115.000

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.1668		.4119
.400			.2321		
.419					
.550	.2060		.4181		.4608
.620					
.697	.2565				
.700			.2961		
.725					
.750		.2058		.2576	
.806					
.832	-.0176				
.850	-.0621		.0767		.0867
.900		-.0356			
.950			-.0231		
.966	-.1724				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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(RBV807) (04 APR 74)

ARC 97-710 1A128 ON T1 S1 (BOTTOM MING)11

REFERENCE DATA

STEF = 2690.0000 SQ.FT. XMRP = 933.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

BETA = 1
 OFR = 1.000
 C1MBAL = 1.000
 RUDDER = .000
 POWER = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.590 RNL = 3.480 PTO = 2126.778 FO = 272.000 TTO = 114.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .890
 .900
 .950
 .966
 .1994

-.2314
 -.1536
 -.0283
 .0026
 -.0235
 -.1197
 -.1734
 -.1465
 -.1455
 -.2327
 -.1453
 -.0604
 -.0292
 -.1640
 -.1781
 -.1453

MACH (1) = 2.000 ALPHA (2) = -5.610 RNL = 3.480 PTO = 2126.778 FO = 272.000 TTO = 114.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .890
 .900
 .950
 .966
 .1994

-.2074
 -.1478
 -.0233
 .0108
 -.0240
 -.0449
 -.0165
 -.1137
 -.1705
 -.1413
 -.0684
 -.1370
 -.2133
 -.1419
 -.1370
 -.1299

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - :A128

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ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

(RBW837)

MACH (1) = 2.000 ALPHA (3) = -3.630 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.050				-.1551		-.0827
.400				-.1366		
.419		-.0065				
.550			.0325			
.600						-.0731
.697	-.0090			-.0389		
.700						
.725			.0024			
.750					-.1330	
.876		-.1051				
.832	-.1631			-.0487		-.2037
.850			-.1335		-.1179	
.920						
.966	-.1833					

MACH (1) = 2.000 ALPHA (4) = -1.590 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.050				-.0810		-.0446
.400				-.1167		
.419		.0149				
.550			.0501			-.0323
.600						
.697	.0048			-.0166		
.700			.0306			
.725					-.0976	
.750						
.876		-.0909				
.832	-.1492					
.850				-.0015		-.1801
.920			-.1075		-.0747	
.966	-.1849					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-715 1A12B ON T1 SL (BOTTOM WING) 11

(EBV807)

MACH (1) = 2.000 ALPHA (5) = .395 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .590
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .900
 .950
 .966
 .0314
 -.0815
 .0077
 .0813
 .0766
 .0292
 .0975
 -.0606
 -.1204
 .0430
 -.0697
 -.0432
 -.1461
 .0195
 .0259
 -.0445

MACH (1) = 2.000 ALPHA (6) = 2.400 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .590
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .890
 .900
 .966
 .0193
 -.0416
 .0425
 .1303
 .1629
 .1444
 .1665
 -.0456
 -.0998
 .0897
 -.0499
 -.0102
 .0904
 .0790
 -.0058
 -.1021

DATE 15 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 3500

ARC 97-710 1A128 ON TI SI (BOTTOM WING) 11

(FEB 03 77)

MACH (1) = 2.000 ALPHA (7) = 4.370 RNL = 3.480 PTO = 2126.778 PO = 272.000 TIO = 114.500

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0737		.1748
.400				.0371		
.419		.1000				
.550			.1499			
.600						.1528
.697	.1621					
.700				.1865		
.725			.1903			
.750					.0419	
.806						
.832	-.0290	-.0181				
.850				.1232		
.920		-.0273				-.0499
.950				.0101		
.966	-.1809					

MACH (1) = 2.000 ALPHA (8) = 6.390 RNL = 3.480 PTO = 2126.778 PO = 272.000 TIO = 114.500

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.1177		.2619
.400				.1069		
.419		.1394				
.550			.3683			.2251
.600						
.697	.1703			.2785		
.700			.1777			
.725					.2672	
.750						
.806		-.0175				
.832	-.0481					
.850				.1053		.1198
.920		-.0203				
.950				.0206		
.966	-.1963					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 301

ARC 97-710 1A12B OF T1 S1 (BOTTOM WING)11

(RBV807)

MACH (1) = 2.000 ALPHA (9) = 8.400 RNL = 3.480 PTO = 2126.778 PO = 272.000 TPO = 114.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.1853		.4014
.400				.2024		
.419		.1948				
.550			.4153			
.600						.4567
.697	.2654					
.700				.3018		
.725		.2028				
.750					.2713	
.806		-.0161				
.832	-.0595					
.850				.0771		
.900		-.0390				.0839
.950				-.0213		
.966	-.1803					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 352

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)21

(RBV808) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .433 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 2.000 BETA (1) = -0.290 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1247 -.0868
 .400 -.0303
 .419 .0092
 .550 -.0065
 .600 -.0581
 .697 -.0996
 .700 -.0551
 .725 -.1233
 .750 -.0426
 .806 -.1445
 .832 -.1377
 .850 -.1462
 .900 -.1492
 .950 -.1941
 .966 -.1086
 .966 -.1143

MACH (1) = 2.000 BETA (2) = -0.260 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1174 -.0477
 .400 -.0268
 .419 .0060
 .550 .0049
 .600 .0433
 .697 -.0815
 .700 -.0050
 .725 -.0957
 .750 .0159
 .806 -.1471
 .832 -.1257
 .850 -.1176
 .900 -.1730
 .950 -.1737
 .966 -.0719
 .966 -.1152

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 003

ARC 97-710 1A128 OF 11 SL BOTTOM WING 121

(RBNV818)

MACH (1) = 2.000 BETA (3) = -4.230 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.0300
.4000
.419
.550
.620
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-0.0789
-0.0174
-0.0205
-0.0106
-0.0511
-0.0657
-0.0283
-0.1400
-0.1300
-0.1533
-0.1379
-0.1244
-0.0538
-0.0326
-0.0871

MACH (1) = 2.000 BETA (4) = -2.210 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTD = 113.600

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.0300
.4000
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-0.0681
-0.0926
-0.0239
-0.0208
-0.0380
-0.0432
-0.0683
-0.0454
-0.0884
-0.1387
-0.0222
-0.1009
-0.0731
-0.1132

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 304

ARC 97-710 1A128 Q1 T1 S1 BOTTOM WING121

(RBWB08)

MACH (1) = 2.000 BETA (5) = -.180 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .590
 .800
 .697
 .705
 .725
 .790
 .806
 .832
 .850
 .900
 .950
 .966

-.0284
 -.0795
 .0267
 .0848
 .0513
 .0553
 .0949
 -.0601
 -.1178
 -.0649
 -.0431
 -.1452
 -.0416
 .0196
 .0256

MACH (1) = 2.000 BETA (6) = 1.840 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .590
 .800
 .697
 .700
 .725
 .790
 .806
 .832
 .850
 .900
 .950
 .966

-.0331
 -.0678
 .1215
 .1248
 .0514
 .0564
 .1499
 -.0431
 -.0950
 -.0849
 -.0320
 -.0197
 -.1319
 -.0138

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 305

ARC 97-710 1A128 O1 T1 S1 (BOTTOM WING)21

(RBV038)

MACH (1) = 2.020 BETA (7) = 3.880 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0252		.0925
.400				-.0338		
.419		.1889				
.550			.1847			.0869
.600						
.697	.2185					
.700				.2100		
.725			.1743			
.750					.0200	
.806		-.0141				
.832	-.0618					
.850				.1021		
.900		-.0235				-.1036
.950			-.0564			
.966	-.2059					

MACH (1) = 2.020 BETA (8) = 5.890 RNL = 3.482 PTO = 2126.400 PO = 271.900 TTO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0879		.1288
.400				-.0063		
.419		.2666				
.550			.2872			.1232
.600						
.697	.2745			.2780		
.700			.1792			
.725					.1775	
.750						
.806		-.0008				
.832	-.0298					
.850				.1063		
.900		-.0089				-.0386
.950			-.0023			
.966	-.1980					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 356

ARC 97-710 1A128 01 T1 S1 BOTTOM WING121

(RBV028)

MACH (1) = 2.000 BETA (9) = 7.920 RNL = 3.482 FTO = 2126.400 PO = 271.900 TFO = 113.600

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2995 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.590

.600

.697

.700

.725

.750

.806

.832

.890

.920

.950

.966

.1731

.0572

.3311

.3339

.3313

.2202

.3253

.2313

.0335

-.0186

.1345

.0087

.0103

-.0307

-.1957

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 307

ARC 97-710 1A128 ON TI SI (BOTTOM WING)11

(RBW809) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .409 STWR = .557
 POWER = 1.000 G1MSAL = 1.000

MACH (1) = 2.000 ALPHA (1) = -7.550 RNL = 3.480 PTO = 2125.222 PO = 271.556 TPO = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2297 -.1776
 .400 -.1528
 .419 -.0256 .0261
 .590 -.1583
 .600
 .697 -.0176
 .700
 .725 -.0566
 .730 -.0261
 .806 -.1180
 .832 -.1683
 .850
 .900 -.1421
 .950 -.2309
 .966 -.1450
 .966 -.1723

MACH (1) = 2.000 ALPHA (2) = -5.540 RNL = 3.480 PTO = 2125.222 PO = 271.556 TPO = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2011 -.1317
 .400 -.1478
 .419 -.0225 .0217
 .590 -.1236
 .600
 .697 -.0226
 .700
 .725 -.0381
 .730 -.0185
 .806 -.1130
 .832 -.1683
 .850
 .900 -.1366
 .950 -.2103
 .966 -.1390
 .966 -.1673

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 14128

PAGE 368

ARC 97-710 14128 01 71 SI BOTTOM MENS111

(R8V009)

MACH (1) = 2.000 ALPHA (3) = -3.570 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.806					
.832					
.850					
.900					
.966					

MACH (1) = 2.000

ALPHA (4) = -1.570

RNL = 3.480

PTO = 2125.222

PO = 271.556

TTO = 113.778

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.806					
.832					
.850					
.900					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 309

ARC 97-710 1A128 OI T1 SI BOTTOM WING111

(881859)

MACH (1) = 2.050 ALPHA (5) = .460 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4275	.5340	.6730	.7800	.8870
X/C						
.050				-.0287		.0230
.400				-.0811		
.419		.0066				
.550			.0817			.0239
.600						
.697	.0788			.0367		
.700						
.725			.0975			
.750					-.0425	
.806		-.0627				
.832	-.1247			.0432		-.1421
.850			-.0669			
.900			-.0394			
.950						
.966	-.1699					

MACH (1) = 2.000 ALPHA (6) = 2.470 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4275	.5340	.6730	.7800	.8870
X/C						
.050				.0249		.0968
.400				-.0375		
.419		.0537				
.550			.1331			.0809
.600						
.697	.1739			.1521		
.700			.1691			
.725					-.0019	
.750						
.806		-.0425				
.832	-.0900			.0943		-.0951
.850			-.0417			
.900				-.0085		
.950						
.966	-.1577					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 310

ARC 97-710 1A128 OF 11 SL (BOTTOM WING)11

(RBV809)

MACH (1) = 2.000 ALPHA (7) = 4.430 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0782 .1768
 .400 .0379
 .419 .0978
 .350 .1488
 .600 .1558
 .697 .1703
 .700 .1664
 .725 .2019
 .750 .0756
 .806 -.0163
 .832 -.0613
 .850 .1255
 .920 -.0196
 .950 .0028
 .966 -.1620

MACH (1) = 2.000 ALPHA (8) = 6.470 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1240 .2713
 .400 .1098
 .419 .1510
 .350 .3948
 .600 .2343
 .697 .1633
 .700 .2768
 .725 .1796
 .750 .2722
 .806 .0166
 .832 -.0460
 .850 .1081
 .920 -.0172
 .950 .0002
 .966 -.1725

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 311

ARC 97-710 1A12B ON T1 S1 (BOTTOM WING)111

(REMARKS)

MACH (1) = 2.520 ALPHA (9) = 8.520 RNL = 3.480 PTO = 2125.222 PO = 271.556 TTO = 113.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.1882	.4172
.400			.2084	
.419		.1871		
.550			.4161	
.620				.4666
.697	.2658			
.700			.2978	
.725		.2017		
.750				.2555
.806				
.832	-.0162			
.850	-.0399			
.900			.0811	.0850
.950		-.0307	-.0207	
.966	-.1564			

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)11

(REV 810) (34 APR 74)

REFERENCE DATA

SEF = 2690.0000 SQ.FT. YARP = 953.0000 IN.
LEF = 1320.0000 IN. YARP = .0000 IN.
BREF = 1320.0000 IN. ZARP = 400.0000 IN.
SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
POWER = .000 GIMBAL = 1.000

MACH (1) = 1.555 ALPHA (1) = -7.970 RFL = 3.969 PTO = 2137.596 PO = 541.689 TTO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4270	.5340	.6750	.7800	.8870
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27

0.93	-0.4766	-0.4313
4.00	-0.1271	
4.19		
5.50	0.0481	
6.00	0.0629	
6.97	0.0087	-0.1670
7.05		
7.25	-0.1292	
7.33		-0.0933
8.06	-0.2744	
8.32	-0.2913	
8.50		-0.1933
9.00	-0.3082	-0.2744
9.50		-0.2926
9.66	-0.3154	

MACH (1) = 1.550 ALPHA (2) = -5.970 RNL = 3.969 PTQ = 2137.536 PO = 541.889 TTO = 130.222

SECTION 1 (IN)

DEPENDENT VARIABLE CP

27A	.2990	.4270	.5340	.6730	.7870	.8870
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25

[illegible]

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 313

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)111

(RBWB10)

MACH (1) = 1.550 ALPHA (3) = -4.030 RNL = 3.969 PTO = 2137.556 FO = 541.889 TTD = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.3398		-.2858
.400				.1363		
.419		.1769				
.550			.1640			.0814
.600						
.697	.5800			.0194		
.700						
.725			-.0439			
.750					.0015	
.806		-.2290				
.832	-.2358			-.1462		
.850			-.2466			-.1206
.900				-.2382		
.950						
.966	-.2948					

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 3.969 PTO = 2137.556 FO = 541.889 TTD = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.2515		-.1961
.400				.2090		
.419		.2403				
.550			.2179			.1983
.600						
.697	.1921			.0560		
.700						
.725			-.0167			
.750					.0260	
.806		-.2135				
.832	-.2322					
.850				-.1149		
.900			-.2149			-.1212
.950				-.2158		
.966	-.2767					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 314

ARC 97-710 1A128 OI T1 S1 (BOTTOM MINING)11

(RBV810)

MACH (1) = 1.550 ALPHA (5) = .010 RNL = 3.969 FTO = 2137.556 PO = 541.889 TFO = 130.222

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 .2817

-.1857
 .2403
 .2924
 .2855
 .0891
 .0116
 -.1977
 -.2130
 -.1910
 -.1920
 -.1187
 .2415
 .0513
 -.0870
 -.1126

MACH (1) = 1.550 ALPHA (6) = 2.020

RNL = 3.969

FTO = 2137.556

PO = 541.889

TFO = 130.222

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 .2667

-.0909
 .2649
 .3381
 .3295
 .1232
 .0422
 -.1781
 -.1944
 -.1701
 -.1777
 .0607
 .2456
 .0732
 -.0686
 -.1013

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 315

ARC 97-710 1A12B ON T1 S1 (BOTTOM WING)11

(RBV810)

MACH (1) = 1.550 ALPHA (7) = 4.010 RNL = 3.969 PTO = 2137.556 PO = 541.889 TTO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0475	.3795
.400	.2820	
.419		
.550	.3930	.2705
.600		
.697	.3225	
.700		
.725	.1312	
.750	.0609	.0837
.806	-.1615	
.832	-.1758	
.850	-.0653	-.0960
.900	-.1646	-.1721
.950		
.966	-.2523	

MACH (1) = 1.550 ALPHA (8) = 6.020 RNL = 3.969 PTO = 2137.556 PO = 541.889 TTO = 130.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1944	.5121
.400	.2416	
.419		
.550	.4144	.2823
.600	.3399	
.697	.3729	
.700		
.725	.1315	
.750	.0560	.0900
.806	-.1626	
.832	-.1795	
.850	-.0595	-.0801
.900	-.1612	-.1640
.950		
.966	-.2216	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SUBOTTON WING 111

(RBWB10)

MACH (1) = 1.550 ALPHA (9) = 0.080 RNL = 3.969 PTO = 2137.556 PO = 541.889 TTD = 130.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2950	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.3046		.5911
.400				.2618		
.419		.3982				
.550			.3528			.2965
.600						
.697		.3842				
.700				.1453		
.725			.0565			
.750					.1130	
.806		-.1670				
.832	-.1871					
.850			-.0540			-.0560
.900		-.1591				
.950			-.1586			
.966	-.1977					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S1 (BOTTOM MING)11

(RBV821) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUGER = .000
 POWER = .000 C1MBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.520 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2106 -.1824
 .400 -.1324
 .419 -.0173 .0065
 .550
 .600
 .697 -.0173
 .700
 .725 -.0287 -.0364
 .750
 .806 -.1165
 .832 -.1698
 .850
 .900 -.1658 -.0848
 .920 -.1516
 .966 -.2371 -.2359

MACH (1) = 2.001 ALPHA (2) = -5.560 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1710 -.1301
 .400 -.1172
 .419 -.0102 .0181
 .550
 .600
 .697 -.0202
 .700
 .725 -.0170 -.0436
 .750
 .806 -.1123
 .832 -.1672
 .850
 .900 -.1325 -.0656
 .950 -.1327
 .966 -.2310 -.2098

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI TI SI (BOTTOM MIN)11

(RBYB21)

MACH (1) = 2.001 ALPHA (3) = -3.580 RNL = 3.486 PTO = 2121.667 PO = 271.000 T70 = 112.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.730
.806
.832
.850
.920
.950
.966

-.1227
-.1013
.02156
.0314
-.0120
-.0331
.0016
-.1034
-.1602
-.1427
-.1162
-.0825
-.1013
-.0936
-.1211
-.0464
-.1988

MACH (1) = 2.001 ALPHA (4) = -1.550 RNL = 3.486 PTO = 2121.667 PO = 271.000 T70 = 112.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.730
.806
.832
.850
.920
.950
.966

-.0485
-.0735
.0241
.0485
-.0285
.0324
-.0014
-.0786
-.1488
-.0133
-.1102
-.0596
-.0341
-.0458
-.1622

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 O1 T1 S1 (BOTTOM WING)11

(RBV821)

MACH (1) = 2.001 ALPHA (5) = .440 RNL = 3.486 PTO = 2121.667 PO = 271.000 TTO = 112.000

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0062
-.0360
.0104
.0822
.0344
.1036
-.0566
-.1170
-.0798
-.0370
-.1391
-.0358

MACH (1) = 2.001 ALPHA (6) = 2.470

RNL = 3.486

PTO = 2121.667

PO = 271.000

TTO = 112.000

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.0540
.0139
.0504
.1228
.1500
.1771
-.0380
-.0932
.1034
-.0575
.0016
.1009
.0615
.0021
-.0888

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 SI (BOTTOM WING)11

(RBWB21)

MACH (1) = 2.001 ALPHA (7) = 4.470 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1343		.1772
.400				.0796		
.419		.1024				
.550		.1544				
.600						.1175
.697	.1709					
.700				.1903		
.725		.1999				
.750					.0449	
.806		-.0193				
.832	-.0572			.1279		
.850		-.0441				-.0458
.900				.0106		
.950						
.966	-.2033					

MACH (1) = 2.001 ALPHA (8) = 6.470 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1698		.2695
.400				.1619		
.419		.1492				
.550		.3692				.1858
.600						
.697	.1663			.2803		
.700						
.725		.1779			.2769	
.750						
.806		-.0174				
.832	-.0462			.1170		.1243
.850		-.0406				
.900				.0004		
.950						
.966	-.2132					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 31 (BOTTOM MIN)111

(RB1621)

WACH (1) = 2.001 ALPHA (9) = 8.450 RNL = 3.486 PTO = 2121.667 PO = 271.000 TPO = 112.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.2947		.4100
.400				.2727		
.419		.1881				
.550			.4067			.4116
.600						
.697	.2697					
.700				.3012		
.725		.1996				
.730					.2590	
.806		-.0169				
.832	-.0628					
.850				.0889		
.900		-.0538			.0914	
.950				-.0180		
.966	-.1958					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A120

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ARC 97-710 1A120 OR T1 SI (BOTTOM WING)11

(RBV822) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.500

MACH (1) = 1.551 ALPHA (1) = -7.970 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 -.4534
 -.0681
 .0526
 .0533
 -.1039
 -.1316
 -.2708
 -.2983
 -.3211
 -.2896
 -.4292
 -.1761
 -.0820
 -.1908
 -.2675

MACH (1) = 1.551

ALPHA (2) = -6.010

RNL = 3.913

PTO = 2121.111

PO = 536.889

TTO = 132.556

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 -.4106
 -.0429
 .0794
 .0908
 -.0276
 -.0633
 -.2478
 -.2770
 -.1593
 -.2863
 -.2649
 -.3662
 -.0739
 -.0249
 -.1675

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 QZ TI SL (BOTTOM WING)11

MACH (1) = 1.551 ALPHA (3) = -4.000 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.3505		-.3066
.400				.1458		
.419		.1536				
.550			.1350			.0134
.600						
.697		.0827		.0139		
.700						
.725			-.0487			
.750						
.806		-.2516			-.0130	
.832	-.2474					
.850				-.1437		-.1354
.900		-.2732				
.950				-.2522		
.966	-.3141					

MACH (1) = 1.551 ALPHA (4) = -2.020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.2697		-.2164
.400				.2225		
.419		.2232				
.550			.1946			.1371
.600						
.697		.1667		.0457		
.700						
.725			-.0290			
.750					.0132	
.806		-.2224				
.832	-.2440					
.850				-.1219		-.1278
.900		-.2528				
.950				-.2317		
.966	-.2929					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 51 (BOTTOM MINING)

(RBV822)

MACH (1) = 1.551 ALPHA (5) = .020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.808
.832
.850
.900
.950
.966
-2035
-2910
-2794
-2523
-2302
-2001
-2053
-2222
-2259
-2044
-1435
-1901
-0841
-0201
-0467
-0921
-1196

MACH (1) = 1.551 ALPHA (6) = 2.020 RNL = 3.913 PTO = 2121.111 PO = 536.889 TTO = 132.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-0960
-3141
-3034
-3047
-2700
-2051
-1875
-0706
-2100
-1907
-0090
-3141
-2004
-1083
-0668
-1147

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF TI SL (BOTTOM WING)11

(RBV822)

MACH (1) = 1.551 ALPHA (7) = 4.000 RNL = 3.913 PTO = 2121.111 PO = 536.889 T70 = 132.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0668		.3265
.400				.3141		
.419		.3859				
.550			.3189			
.620						.2074
.697	.3211					
.705				.1285		
.725			.0510			
.750					.0748	
.806		-.1694				
.832	-.1838			-.0640		
.890			-.2023			-.1087
.900				-.1886		
.950						
.966	-.2706					

MACH (1) = 1.551 ALPHA (8) = 6.010 RNL = 3.913 PTO = 2121.111 PO = 536.889 T70 = 132.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.3400		.4998
.400				.3076		
.419		.4037				
.550			.3135			.2155
.620						
.697	.3890					
.705				.1243		
.725			.0478			
.750					.0755	
.806		-.1694				
.832	-.1833					
.890			-.0590			-.0996
.900		-.2011				
.950			-.1779			
.966	-.2465					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (BOTTOM MINE)11

(RDB22)

MACH (1) = 1.551 ALPHA (9) = 8.050 RNL = 3.913 PTO = 2121.111 PO = 535.889 TTO = 132.556

SECTION (1)MINE

DEPENDENT VARIABLE 1 CR

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.050			.5353	.5791
.400			.3212	
.419	.3901			
.530		.3273		
.600				.2440
.697	.3891			
.700			.1346	
.725		.0497		
.750			.0981	
.806	-.1787			
.832	-.1903			
.850		-.0520		
.920	-.1949			-.0774
.950		-.1730		
.966	-.2227			

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON TL SL (BOTTOM WING)11

DBV823) (04 APR 74)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 STRFR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.980 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.4508 -.4170
 .400 -.0875
 .419 .0481
 .550 .0543
 .600 -.1689
 .697 .0154
 .700 -.0948
 .725 -.1309
 .750 -.0897
 .806 -.2729
 .832 -.2964
 .850 -.1740
 .900 -.3125
 .920 -.2868
 .950 -.2601
 .966 -.2861

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.4091 -.3729
 .400 -.0598
 .419 .0824
 .550 .0887
 .600 -.0742
 .697 .0363
 .700 -.0174
 .725 -.0813
 .750 -.0270
 .806 -.2493
 .832 -.2733
 .850 -.1429
 .900 -.2734
 .920 -.2525
 .950 -.1613
 .966 -.2783

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 71 S: BOTTOM WING:11

(084823)

WACH (1) = 1.550 ALPHA (3) = -4.010 ENL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.530
.600
.697
.700
.725
.730
.806
.832
.850
.920
.950
.966
-2648
-2480
-2334
-2570
-1336
-2434
-1316
-1457
1435
-3459
1405
-3045
-0129
0143
-0474
-0130

WACH (1) = 1.550 ALPHA (4) = -2.090 ENL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.530
.600
.697
.700
.725
.750
.806
.832
.850
.920
.950
.966
-2441
-2233
-2434
-1111
-2293
-1237
-2766
2136
-2244
1964
1254
0478
0119

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TABULATED SOURCE DATA - ARC 9° 10' - 1A12B

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ARC 97-710 1A12B ON T1 S1 (BOTTOM MING)11

(RBV823)

MACH (1) = 1.550 ALPHA (5) = -.070 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTO = 138.444

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.350
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.2038
.2839
.2554
.1928
.0816
.0429
.0758
.2124
.2015
.1428
.1137

MACH (1) = 1.550

ALPHA (6) = 1.980

RNL = 4.125

PTO = 2264.000

PO = 573.222

TTO = 138.444

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.350
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0966
.3273
.3235
.3084
.1163
.0249
.0728
.1869
.0533
.1964
.1828
.1164

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)111

(R81823)

MACH (1) = 1.550 ALPHA (7) = 3.970 RNL = 4.125 PTO = 2264.530 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0826 .2923
 .400 .3254
 .419 .3801
 .550 .3263
 .600 .2040
 .697 .3214
 .700 .1383
 .725 .0494
 .750 .0757
 .806 -.1714
 .832 -.1820
 .850 -.0448
 .900 -.1943
 .950 -.1084
 .966 -.2370

MACH (1) = 1.550 ALPHA (8) = 5.930 RNL = 4.125 PTO = 2264.530 PO = 573.222 TTO = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .3084 .4859
 .400 .3170
 .419 .4057
 .550 .3160
 .600 .2157
 .697 .3605
 .700 .1234
 .725 .0463
 .750 .0779
 .806 -.1699
 .832 -.1785
 .850 -.0437
 .900 -.1836
 .950 -.0940
 .966 -.2188

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 Y1 S1 (BOTTOM WING)111

(RBVB23)

MACH (1) = 1.550 ALPHA (9) = 7.910 RNL = 4.125 PTO = 2264.000 PO = 573.222 TTD = 138.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.5217		.5665
.420				.3222		
.419		.3861				
.550			.3273			.2429
.620						
.697	.3848					
.700				.1370		
.725			.0497			
.750					.1014	
.806		-.1734				
.832	-.1941					
.850			-.0362			
.907		-.1604				-.0693
.950			-.1631			
.966	-.1971					

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OR TI SI (BOTTOM WING)11

(RBWB24) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDER = .000
 SHPR = .469 POWER = 1.000
 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -0.540 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTD = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CP
.090	-.4445
.400	-.4149
.419	-.0913
.550	.0909
.620	-.1679
.697	.0156
.700	-.0925
.725	-.1315
.750	-.0761
.822	-.2958
.850	-.1684
.920	-.3241
.950	-.2763
.966	-.2913
.966	-.2625

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTD = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CP
.090	-.4045
.400	-.3751
.419	-.0367
.550	.1000
.620	-.0681
.697	.0379
.700	-.0169
.725	-.0806
.750	-.0153
.822	-.2481
.850	-.1412
.920	-.2701
.950	-.2522
.966	-.2877
.966	-.1575

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SI (BOTTOM WING)11

(RB1824)

MACH (1) = 1.550 ALPHA (5) = .510 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.900					
.950					
.966					

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 335

ARC 97-710 1A128 OF T1 S1 (BOTTOM MING)11

(RB1024)

MACH (1) = 1.550 ALPHA (7) = 4.510 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0671		.5382
.400				.3163		
.419		.3819				
.550			.3287			
.600						.2091
.697	.3270					
.700				.1327		
.725			.0473			
.750					.0815	
.806		-.1671				
.832	-.1602					
.850				-.0434		
.900			-.1811			-.0984
.950				-.1775		
.966	-.2376					

MACH (1) = 1.550 ALPHA (8) = 5.990 RNL = 4.057 PTO = 2225.111 PO = 563.444 TTO = 138.000

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.2898		.4888
.400				.3163		
.419		.4066				
.550			.3183			
.600						.2198
.697	.3858					
.700				.1275		
.725			.0464			
.750					.0798	
.806		-.1686				
.832	-.1760					
.850						
.900			-.1796			-.0896
.950					-.1670	
.966	-.2188					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 336

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

(RB1B24)

MACH (1) = 1.550 ALPHA (9) = 8.040 RNL = 4.057 PTO = 2225.111 PO = 563.444 TIO = 138.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.5706

.3270

.3265

.2450

.1373

.0447

.1013

-.1753

-.1924

-.0323

-.1770

-.0691

-.1638

-.1927

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 337

ARC 97-710 1A128 OL T1 S1 BOTTOM WING121

(RBV825) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 53. FT. WRP = 953.0000 IN.
 LREF = 1328.0000 IN. WRP = .0000 IN.
 BREF = 1328.0000 IN. WRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SERP = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.55C BETA (1) = -8.340 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.2214 -.1596
 .400 .0219
 .419 -.0042
 .550 -.0618
 .600 -.0056
 .697 -.1467
 .700 -.1324
 .725 -.2186
 .750 -.1257
 .806 -.2120
 .832 -.1968
 .850 -.2383
 .900 -.2150
 .950 -.3180
 .966 -.2373
 .966 -.1642

MACH (1) = 1.550 BETA (2) = -6.300 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1530 -.0971
 .400 .0751
 .419 .0051
 .550 -.0216
 .600 .0177
 .697 -.1083
 .700 -.1025
 .725 -.1917
 .750 -.1079
 .806 -.2387
 .832 -.1945
 .850 -.2179
 .900 -.2815
 .950 -.3048
 .966 -.2216
 .966 -.1681

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 338

ARC 97-710 1A128 OI T1 S1 (BOTTOM MIN)21

(MARE 1)

MACH (1) = 1.550 BETA (3) = -4.270 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.1377		-.0567
.400			.1054		
.419		.0557			
.550			.0302		.0308
.600					
.697	-.0354				
.700			-.0567		
.725			-.1348		
.750				-.0746	
.806		-.2645			
.832	-.2191				
.850			-.1872		
.920		-.2958		-.2114	
.950			-.2856		
.966	-.1826				

MACH (1) = 1.550 BETA (4) = -2.250 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.2258		-.1616
.400			.1640		
.419		.1392			
.550			.1573		.1152
.600					
.697	.1368				
.700			.0338		
.725			-.0348		
.750				-.0071	
.806		-.2063			
.832	-.2098				
.850			-.1161		
.900		-.2336		-.1605	
.950			-.2321		
.966	-.2220				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 339

ARC 97-710 1A12B CI T1 S1 (BOTTOM WING)21

(RBV825)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.2077		-.1512
.400				.3030		
.419		.2783				
.550			.2557			.1888
.600						
.697	.2328					
.700				.0937		
.725			-.0020		.0524	
.750						
.806		-.2058				
.832	-.2185					
.850				-.0755		
.900			-.2076			-.1228
.950				-.1978		
.966	-.2501					

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CR

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1714		-.1041
.400				.3205		
.419		.2526				
.550			.2797			.1997
.600						
.697	.2823					
.700				.1362		
.725			.0411			
.750					.0875	
.806		-.1632				
.832	-.1493					
.850				-.0489		
.900			-.1816			-.1006
.950				-.1864		
.966	-.2407					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 340

ARC 97-710 1A128 01 T1 S1 BOTTOM MIN6121

(R04825)

MACH (1) = 1.550 BETA (7) = 3.860 RNL = 4.125 PTO = 2273.333 PO = 575.556 TIO = 140.222
 SECTION (1) MIN6
 DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870
 X/C

.090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .890
 .920
 .950
 .966
 -.0523
 -.1066
 .3542
 .3309
 .2319
 .0476
 .1175
 -.1503
 -.1468
 -.1708
 -.0431
 -.1824
 -.1060
 .2222
 .0695

MACH (1) = 1.550 BETA (8) = 5.910 RNL = 4.125 PTO = 2273.333 PO = 575.556 TIO = 140.222
 SECTION (1) MIN6
 DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870
 X/C

.090
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .890
 .920
 .950
 .966
 -.0704
 .4196
 .3775
 .3392
 .3028
 .1474
 .0657
 .0913
 -.1266
 -.1137
 -.0306
 -.1604
 -.1693
 -.0919
 .2379

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 341

ARC 97-710 1A12B OR T1 S1 (BOTTOM WING)21

(RBV825)

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.125 PTO = 2273.333 PO = 575.556 TTO = 140.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

-.0261

.1000

.400

.4297

.419

.4393

.550

.3945

.600

.2674

.697

.4100

.700

.1625

.725

.0895

.750

.1089

.806

-.1115

.832

-.1057

.850

-.0191

.900

-.1503

.950

-.1556

.966

-.0734

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 342

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)21

(EBW826) (24 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 SRMR = .469 POWER = 1.000
 C1MBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.340 RNL = 4.049 PTO = 2228.556 FO = 564.333 TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2220 -.1475
 .400 .0220
 .419 -.0078
 .550 -.0602
 .600 .0042
 .697 -.1485
 .700 -.1374
 .725 -.2210
 .750 -.1125
 .806 -.2263
 .832 -.2080
 .850 -.2452
 .890 -.2416
 .900 -.3210
 .950 -.2288
 .966 -.1733

MACH (1) = 1.550

BETA (2) = -6.300

RNL = 4.049

PTO = 2228.556

FO = 564.333

TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1417 -.0916
 .400 .0844
 .419 .0046
 .550 7.0193
 .600 .0246
 .697 -.1130
 .700 -.1030
 .725 -.1909
 .750 -.1073
 .806 -.2321
 .832 -.2087
 .850 -.2208
 .890 -.2986
 .900 -.3104
 .950 -.2249
 .966 -.1819

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 343

ARC 97-710 1A12B O1 T1 S1 (BOTTOM WING)21

(RBVB26)

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1279		-.0443
.400				.1045		
.419		.3546				
.550			.0353			
.600						.0400
.697	-.0296					
.700				-.0574		
.725						
.750				-.1325		-.0725
.806						
.832	-.2347					
.850				-.1827		
.900				-.2876		-.2004
.950				-.2877		
.966	-.1943					

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.2271		-.1568
.400				.1656		
.419		.1354				
.550			.1568			
.600						.1193
.697	.1357					
.700				.0295		
.725				-.0332		
.750						
.806						
.832	-.2119					
.850						
.900				-.1228		-.1497
.950				-.2322		
.966	-.2320			-.2326		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 344

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)21

(RBWB26)

MACH (1) = 1.550 BETA (5) = -.207 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTO = 139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.2014	-.1409
.400	.3016	
.419	.2762	
.550	.2573	.1961
.600		
.697	.2435	
.700		
.725	.0857	
.750	-.0003	.0475
.806	-.2027	
.832	-.2179	
.850		-.0803
.900	-.2066	-.1147
.950	-.2045	
.966	-.2579	

MACH (1) = 1.550

BETA (6) =

1.830

RNL =

4.049

PTO =

2228.556

PO =

564.333

TTO =

139.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.1574	-.0957
.400	.3123	
.419	.2491	
.550	.2842	.2021
.600		
.697	.2736	
.700		
.725	.1317	
.750	.0439	.0861
.806	-.1617	
.832	-.1518	
.850		-.0453
.900	-.1742	-.0916
.950	-.1727	
.966	-.2477	



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 345

ARC 97-710 1A12B OF 11 SL (BOTTOM WING) 21

(R81826)

MACH (1) = 1.550 BETA (7) = 3.870 RNL = 4.049 PTO = 2228.556 PO = 564.333 T70 = 139.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1069 -.0370
 .400 .3361
 .419 .3373
 .550 .3323
 .600 .2237
 .697 .1173
 .700 .0487
 .725 .0668
 .750
 .800 -.1476
 .832 -.1473
 .850 -.0501
 .900 -.1683
 .950 -.1774
 .966 -.0971
 .966 -.3277

MACH (1) = 1.550 BETA (8) = 3.900 RNL = 4.049 PTO = 2228.556 PO = 564.333 T70 = 139.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0608 .0446
 .400 .4081
 .419 .3762
 .550 .3392
 .600 .2315
 .697 .3142
 .700 .1460
 .725 .0654
 .750 .0967
 .800 -.1261
 .832 -.1152
 .850 -.0295
 .900 -.1470
 .950 -.0826
 .966 -.1569
 .966 -.3342

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 346

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)21

(RBV826)

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.049 PTO = 2228.556 PO = 564.333 TTD = 139.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.299C	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 347

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING) 21

(RBV827) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

ALPHA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

PARAMETRIC DATA

MACH (1) = 1.550 BETA (1) = -0.340 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 -.2158
 .400 .0233
 .419 -.0125
 .550 -.0609
 .600 .0049
 .697 -.1555
 .700 -.1306
 .725 -.2254
 .750 -.1228
 .806 -.2549
 .832 -.2270
 .855 -.2362
 .900 -.2774
 .950 -.3204
 .966 -.2258
 .966 -.2005

MACH (1) = 1.550 BETA (2) = -6.330 RNL = 4.056 PTC = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 -.1582
 .400 .0851
 .419 .0021
 .550 -.0161
 .600 .0228
 .697 -.1157
 .700 -.1004
 .725 -.1685
 .750 -.1107
 .806 -.2784
 .832 -.2347
 .855 -.2217
 .900 -.3150
 .950 -.3021
 .966 -.2142
 .966 -.2245

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 348

ARC 97-710 1A128 OL T1 S1 (BOTTOM WING)21

(RB1827)

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 349

ARC 97-710 1A12B O1 T1 S1 (BOTTOM WING)21

(R81827)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 4.056 FTO = 2230.667 PO = 565.000 TFO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.856
.832
.850
.900
.950
.966
-2960

-.2104
.2945
.2771
.2578
.2292
-.0012
.0926
-.2032
-.2183
.2136
-.0724
-.1957
-.1214
.0540
.1966

MACH (1) = 1.550

BETA (6) = 1.840

RNL = 4.056

FTO = 2230.667

PO = 565.000

TFO = 139.444

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.856
.832
.850
.900
.950
.966
-2894

-.1683
.3037
.2827
.2821
.1223
.0425
-.1997
-.1310
-.0527
-.1755
-.1747
-.0978
.2029
.0863
-.0916

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 350

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING) 21

(RBV827)

MACH (1) = 1.550 BETA (7) = 3.070 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1009
.3522
.3335
.3290
.2547
.1222
.0499
.0697
-.1485
-.1540
-.1656
-.0426
-.1726
-.1059

-.0434
.2229

MACH (1) = 1.550 BETA (8) = 5.900 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTO = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.637
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0741
.4013
.3790
.3307
.3239
.1380
.0652
-.1275
-.1198
-.0369
-.1535
-.1572
-.0837

.0397
.2315
.0963

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 351

ARC 97-710 1A128 OF 71 SI (BOTTOM WING) 21

(R8V827)

MACH (1) = 1.550 BETA (9) = 7.940 RNL = 4.056 PTO = 2230.667 PO = 565.000 TTD = 139.444

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.900

.950

.966

-.0243

.4267

.4460

.3938

.4216

.1643

.0888

-.1123

-.1118

-.0122

-.1459

-.1454

.1044

.2591

.1135

-.0797

-.3537

DATE 12 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 352

ARC 97-710 1A12B ON T1 SI BOTTOM WING)11

(RBW828) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SEMPR = 1.050
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.990 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.4431 -.4255
 .400 -.0764
 .419 .0469
 .550 .0547
 .600 -.2451
 .697 .0206
 .700
 .725 -.1267
 .750 -.0964
 .806 -.2673
 .832 -.1997
 .850 -.1864
 .900 -.3061
 .950 -.2867
 .966 -.3069
 -.2026

MACH (1) = 1.550 ALPHA (2) = -5.980 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 106.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.4037 -.3862
 .400 -.0243
 .419 .0722 .0897
 .550
 .600
 .697 .0364
 .700
 .725 -.0214
 .750 -.0839
 .806 -.2435
 .832 -.2017
 .850
 .900 -.1445
 .950 -.2715
 .966 -.2808
 -.1542
 -.2111

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)11

(RBV228)

MACH (1) = 1.550 ALPHA (3) = -3.970 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 156.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.3465		-.3039
.400				.1768		
.419		.1586				
.550			.1385			.0052
.600						
.697	.0750			.0156		
.700						
.725			-.0540			
.750					-.0188	
.806		.2297				
.832	-.2107			-.1341		
.830			-.2582		-.1412	
.900			-.2537			
.950						
.966	-.2137					

MACH (1) = 1.550 ALPHA (4) = -2.020 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 156.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.2530		-.2203
.400				.2281		
.419		.2294				
.550			.1957			.1547
.600						
.697	.1686			.0430		
.700						
.725			-.0309			
.750					.0103	
.806		-.2201				
.832	-.2235					
.830						
.900			-.1056			
.950		-.2376		-.1056		-.1362
.966	-.2001		-.2274			

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 354

ARC 97-710 1A128 01 T1 S1 (BOTTOM MINC)11

(FB1828)

MACH (1) = 1.550 ALPHA (5) = -.540 RNL = 2.619 PTO = 1336.869 PO = 338.667 TTD = 156.889

SECTION (1) MINE

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.621					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

MACH (1) = 1.550 ALPHA (6) = 1.930

RNL = 2.619

PTO = 1336.869

PO = 338.667

TTD = 156.889

SECTION (1) MINE

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B PAGE 355

ARC 97-710 1A12B 01 T1 S1 (BOTTOM MIN)111 (081028)

MACH (1) = 1.550 ALPHA (7) = 4.030 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 156.889

SECTION (1) MINE

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0847		.3593
.400				.3048		
.419		.3798				
.550			.3232			.2082
.600						
.697	.3175					
.700				.1245		
.725			.0426		.0732	
.750						
.806		-.1711				
.832	-.1647					
.850				.0523		
.900		-.1891			-.1089	
.950				1.1880		
.966	-.1779					

MACH (1) = 1.550 ALPHA (8) = 6.000 RNL = 2.619 PTO = 1336.889 PO = 338.667 TTO = 156.889

SECTION (1) MINE

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.3292		.4963
.400				.3051		
.419		.3937				
.550			.3212			.2193
.600						
.697	.3729					
.700			.0416	.1198		
.725						
.750					.0709	
.806		-.1716				
.832	-.1676					
.850				-.0463		-.0962
.900		-.1850			-.1769	
.950						
.966	-.1804					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OR TI SI (BOTTOM WING) 11

(REV 28)

MACH (1) = 1.550 ALPHA (9) = 7.990 RNL = 2.619 FTO = 1336.889 PO = 338.667 TTD = 156.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7850 .8870

X/C

.090					
.400			.4971		.5701
.419			.3052		
.550		.3696			
.600		.3298			.2437
.697	.3770				
.700			.1249		
.725		.0380			
.750				.0807	
.806		-.1836			
.832	-.1673				
.850			-.0465		
.900		-.1922			-.0811
.950			-.1759		
.966	-.1301				



DATE 13 JUN 74

INSULATED ROCKET DATA - ARC 97-710 - 1A12B

PAGE 357

97-710 1A12B OR T1 S1 (BOTTOM WING)11

RBVB29) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. XMRP = 5 IN.
 LREF = 1328.0000 IN. YP = 0 IN.
 BREF = 1328.0000 IN. ZP = 0 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .433 SRMPR = 1.790
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA = 0 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6190 .7800 .8870

X/C

.0300 -.4024 .4081
 .4000 -.0283
 .410 .0222 .0466
 .550 .0466
 .600 .0817
 .697 .0828
 .750 -.1306
 .725 .0731
 .750
 .806 -.2346
 .832 -.1151
 .850 -.1943
 .900 -.2749
 .950 -.2736
 .966 -.2952
 -.0598

MACH (1) = 1.550 ALPHA (2) = -5.940 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6190 .7800 .8870

X/C

.0300 -.3766 -.3579
 .4000 -.0219
 .410 .0611 .0758
 .550 .0758
 .600 .0803
 .697 .0803
 .700 -.0244
 .725 -.0878
 .750 -.0356
 .806 -.2098
 .832 -.1038
 .850 -.1568
 .900 -.2904
 .950 -.2614
 .966 -.1864
 -.1055

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 358

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)11

(RBV829)

MACH (1) = 1.550 ALPHA (3) = -3.980 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 359

ARC 97-710 1A128 OL T1 S1 (BOTTOM WING)111

(BBVB29)

MACH (1) = 1.550 ALPHA (5) = .030 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.1457	-.0934
.400	.3039	
.419		
.550	.2568	.2442
.600		
.697	.2585	
.700		
.725		
.750	-.0019	.0820
.806		
.832	-.1122	-.1990
.850		
.900	-.0671	
.950	-.2209	-.1212
.966	-.1149	-.2067

MACH (1) = 1.550 ALPHA (6) = 1.970 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0401	.0780
.400	.3038	
.419		
.550	.3111	.3011
.600		
.697	.2738	
.700		
.725		
.750	.0252	.1086
.806		
.832	-.1806	.0592
.850	-.1083	
.900	-.0701	
.950	-.2041	-.1135
.966	-.1926	

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B PAGE 369

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)11 (RBV829)

MACH (1) = 1.550 ALPHA (7) = 4.020 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.1404		.3916
.400			.2974		
.419		.3624			
.550			.3187		.2127
.600					
.697	.3054				
.700			.1270		
.725		.0379			
.755				.0689	
.806		-.1653			
.832	-.1031				
.850			-.0601		-.1083
.900		-.1941			
.950			-.1903		
.966	-.1178				

MACH (1) = 1.550 ALPHA (8) = 6.010 RNL = 1.444 PTO = 696.889 PO = 176.556 TTO = 83.889

DEPENDENT VARIABLE CP

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.3993		.4977
.400			.3142		
.419		.3653			
.550			.3185		.2330
.600					
.697	.3736				
.700			.1324		
.725		.0445		.0612	
.750					
.806		-.1678			
.832	-.0994				
.850			-.0514		-.0883
.900		-.1813			
.950			-.1771		
.966	-.0866				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 361

ARC 97-710 1A12B OF T1 S1 (BOTTOM WING)111

(RBV829)

MACH (1) = 1.550 ALPHA (9) = 8.010 RNL = 1.444 FTO = 696.889 PO = 176.556 TPO = 63.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.4887		.5763
.400				.3252		
.419		.3585				
.550			.3091			
.620						.2520
.697	.3725					
.700				.1277		
.725			.0368			
.750					.0854	
.806		-.1755				
.832	-.1102					
.850			-.0563			
.900		-.1942				-.0768
.950			-.1765			
.966	-.0053					

ARC 97-719 1A12B 01 T1 S1 (BOTTOM WING)11

(RBVB30) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SA.FT. XREF = 953.0000 IN.
LREF = 1328.0000 IN. YREF = .0000 IN.
BREF = 1328.0000 IN. ZREF = 400.0000 IN.
SCALE = .0190 SCALE

PARAMETRIC DATA

BETA	=	.000	RUDDER	=	.000
OPR	=	.409	SRMFR	=	2.126
POWER	=	1.000	GIMBAL	=	1.000

WACH (1) = 2.021 ALPHA (1) = -7.580 RNL = 1.246 PTO = 696.889 PO = 89.000 TPO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2993	.4273	.5343	.6735	.7823	.8873
-----	-------	-------	-------	-------	-------	-------

0.90	-.1981	-.1690
.400	-.1300	
.419		
.550	.0043	
.620	-.0760	
.697		-.1682
.700	.0924	
.725	-.0136	
.750	-.0566	
.806	-.1714	
.832		
.850	-.0947	
.920	-.1264	-.1690
.950	-.1327	
.966	-.0136	

MAOH (1) = 2.001 ALPHA (2) = -5.580 RNL = 1.246 PTO = 696.889 PO = 89.020 TTO = 78.333

SECTION (1) WINE

DEPENDENT VARIABLE CP

ETA	.2993	.4270	.5340	.6730	.7800	.8870
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[illegible]

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OR T1 S1 (BOTTOM WING)11

(R54B33)

MACH (1) = 2.001 ALPHA (3) = -3.580 RNL = 1.246 PTO = 696.689 PO = 89.030 TTO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1117		-.0728
.400				-.0701		
.419		-.0267				
.550			.0333			
.600						-.0909
.697	.1268					
.700				-.0		
.725			.0169			
.750					-.0995	
.806		-.0984				
.832	-.0526					
.850				-.0006		
.900			-.1141			-.1578
.950				-.1035		
.966	-.0112					

MACH (1) = 2.001 ALPHA (4) = -1.560 RNL = 1.246 PTO = 696.689 PO = 89.030 TTO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0371		-.0339
.400				-.0492		
.419						
.550		-.0037	.0362			
.600						-.0466
.697	.1414					
.700				-.0081		
.725			.0464			
.750					-.0704	
.806		-.0788				
.832	-.0421					
.850				.0587		
.900			-.0918			-.1489
.950				-.0672		
.966	-.0115					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 364

ARC 97-710 1A128 O1 T1 S1 (BOTTOM MING)111

(RBV830)

MACH (1) = 2.001 ALPHA (5) = .425 RNL = 1.246 PTO = 696.889 PO = 89.000 TTO = 78.333

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090	.0046	.0269
.400	-.0156	
.419		
.590	.0253	
.600	.0646	
.697		.0037
.700		
.725	.0233	
.750	.0858	
.806		-.0298
.832	-.0558	
.850		
.852	-.0282	
.850	.0695	
.950	-.0708	-.1064
.950	-.0514	
.966	-.0062	

MACH (1) = 2.001 ALPHA (6) = 2.420 RNL = 1.246 PTO = 696.889 PO = 89.000 TTO = 78.333

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090	.0697	.1062
.400	.0348	
.419		
.590	.0634	
.600	.0764	
.697		.0622
.700		
.725	.0308	
.750	.1591	
.806		.0143
.832	-.0307	
.850		
.852	-.0263	
.850	.1111	
.950	-.0463	-.0672
.950	-.0241	
.966	-.0126	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 365

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)11

(RBV830)

MACH (1) = 2.001 ALPHA (7) = 4.460 RNL = 1.246 PTO = 696.889 PO = 89.000 TTO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1391	.1912
.400	.1285	
.419		
.550	.1024	.1687
.600		
.697	.1618	
.700		.2381
.725	.1663	
.750		.0578
.806	-.0270	
.832	-.0145	
.850	.1220	-.0429
.900	-.0249	-.0061
.950		
.966	-.0270	

MACH (1) = 2.001 ALPHA (8) = 6.380 RNL = 1.246 PTO = 696.889 PO = 89.000 TTO = 78.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.2007	.2921
.400	.1722	
.419		
.550	.1116	.3602
.600		
.697	.2408	
.700		.2652
.725	.1999	
.750		.2488
.806	-.0270	
.832	-.0140	
.850	.1078	.1081
.900	-.0285	-.0076
.950		
.966	-.0302	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 366

ARC 97-710 1A128 OL TI SI (BOTTOM WING)11

(REBVS35)

MACH (1) = 2.001 ALPHA (9) = 0.400 RNL = 1.246 PTO = 696.889 PO = 89.000 TTD = 78.333

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8670

X/C

.090

.400

.419

.590

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.2840

.2816

.2821

.3979

.2594

.2783

.1725

.2444

-.0308

-.0384

.0841

-.0394

-.0236

.0772

-.0442



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

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ARC 97-710 1A129 CI T1 SI (BOTTOM WING)11

(RBVB31) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SRMR = 1.245
 POWER = 1.000 G1=0AL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.630 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .090
 .400 .400
 .419 .419
 .550 .550
 .600 .600
 .697 .697
 .700 .700
 .725 .725
 .750 .750
 .806 .806
 .832 .832
 .850 .850
 .900 .900
 .950 .950
 .966 .966

.2073 .2073
 -.1300 -.1300
 -.0615 -.0615
 .0136 .0136
 .0459 .0459
 .725 .725
 -.0145 -.0145
 -.0816 -.0816
 -.0304 -.0304
 .850 .850
 .900 .900
 .950 .950
 .966 .966

-.1694
 -.1300
 -.1734
 -.1660
 -.1912

MACH (1) = 2.001 ALPHA (2) = -5.580 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .090
 .400 .400
 .419 .419
 .550 .550
 .600 .600
 .697 .697
 .700 .700
 .725 .725
 .750 .750
 .806 .806
 .832 .832
 .850 .850
 .900 .900
 .950 .950
 .966 .966

.1766 .1766
 -.1075 -.1075
 .0299 .0299
 -.0280 -.0280
 -.0005 -.0005
 -.0980 -.0980
 -.0465 -.0465
 -.0412 -.0412
 -.1242 -.1242
 -.1232 -.1232

-.1266
 -.1306
 -.1386
 -.1820

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI TI SI (BOTTOM WING)11:

(681631)

MACH (1) = 2.001 ALPHA (3) = -3.610 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.500

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			-.1218		-.0799
.419			-.0693		
.550		-.0323			
.600			.0411		
.697					-.1024
.700	.1096				
.723					
.750			.0145		
.806					-.1191
.832	-.0829		-.1028		
.895					-.0335
.920			-.1218		-.1929
.950					-.1151
.966	-.0300				

MACH (1) = 2.001 ALPHA (4) = -4.550 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTO = 86.500

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			-.0437		-.0376
.419			-.0666		
.550		-.0116			
.600			.0425		
.697					-.0473
.700	.1215				
.723			.0068		
.750			.0406		
.806					-.0786
.832	-.0824				
.895					.0211
.920			-.0958		-.1690
.950					-.0712
.966	-.0424				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 369

ARC 97-710 1A128 Q1 T1 SI (BOTTOM WING)111

(RBWB31)

MACH (1) = 2.001 ALPHA (5) = .350 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTD = 86.000

SECTION (1) WING
DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.7700	.7800	.8870
X/C						
.050				.0024		.0242
.400				-.0293		
.419		.0281				
.550			.0482			.0133
.600						
.697	.1180					
.700				-.0028		
.725			.0912			
.750						
.806		-.0537			-.0285	
.832	-.0526					
.850			.0602			
.900		-.0634				-.1304
.950			-.0405			
.966	-.0344					

MACH (1) = 2.001 ALPHA (6) = 2.400 RNL = 1.977 PTO = 1127.444 PO = 144.000 TTD = 86.000

SECTION (1) WING
DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0632		.1035
.400				.0218		
.419		.0674				
.550			.0912			.0730
.600						
.697	.1971					
.700			.0770			
.725			.1677			
.750					.0131	
.806		-.0284				
.832	-.0316					
.850			.1172			
.900		-.0382				-.0760
.950			-.0044			
.966	-.0307					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 373

ARC 97-710 1A128 OR T1 S1 BOTTOM WING 11

(R8V831)

MACH (1) = 2.001 ALPHA (7) = 4.440 RNL = 1.977 PTO = 1127.444 PO = 144.000 TPO = 86.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1377 .1837
 .400 .1126
 .419 .1122 .1630 .1436
 .590 .1650
 .600 .2171
 .697 .1864 .0566
 .700
 .725
 .750
 .806 -.0228
 .832 -.0351 .1229
 .850 -.0262 -.0446
 .900 -.0033
 .950
 .966 -.0364

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.977 PTO = 1127.444 PO = 144.000 TPO = 86.000

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1638 .2743
 .400 .1633
 .419 .1809 .3902 .2100
 .590
 .600 .2087
 .697 .2706
 .700 .1702 .2597
 .725
 .750
 .806 -.0232
 .832 -.0327 .1136
 .850 -.0217 .1095
 .900 -.0056
 .950
 .966 -.0623

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 371

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING) 11

(RBW831)

MACH (1) = 2.001 ALPHA (9) = 8.420 RNL = 1.977 PTO = 1127.444 PO = 144.500 TTO = 86.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA

.2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.2770		.4151
.400			.3177		
.419	.2513				
.550		.4012			.4269
.600					
.697	.2702		.2917		
.700					
.725		.1845			
.750				.2497	
.806	-.0239				
.832	-.0448				
.850			.0872		
.900		-.0336			.0821
.950			-.0241		
.966	-.0387				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 372

ARC 97-715 1A12B ON T1 SL BOTTOM WING)11

(RBV832) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.960 RNL = 3.943 PTO = 2119.889 FO = 537.000 T70 = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 -.4486 -.4276
 .400 -.0871
 .419 .0566 .0484
 .550
 .600
 .697 .0551 -.1721
 .700
 .725 -.1016
 .730 -.1329 -.0775
 .806 -.2719
 .832 -.2955
 .850 -.1694
 .900 -.3153 -.2567
 .950 -.2848
 .966 -.3334

MACH (1) = 1.550 ALPHA (2) = -6.000 RNL = 3.943 PTO = 2119.889 FO = 537.000 T70 = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 -.4587 -.3690
 .400 -.0464
 .419 .0790
 .550 .0802
 .600
 .697 .0226 -.0744
 .700
 .725 -.0267
 .750 -.0840
 .806 -.2478 -.0277
 .832 -.2736
 .850 -.1604
 .900 -.2937 -.1581
 .950 -.2618
 .966 -.3234

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 373

ARC 97-715 1A12B 01 T1 S1 (BOTTOM WING)11

(RB1832)

MACH (1) = 1.550 ALPHA (3) = -3.990 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550

ALPHA (4) =

-2.000

RNL =

3.943

PTO =

2119.889

PO =

537.000

TTO =

129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 374

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)111

(RBV832)

MACH (1) = 1.550 ALPHA (5) = .030 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090			-.2071		-.1436
.400			.2907		
.419		.2830			
.530		.2515			
.600					.1978
.697	.2257				
.700			.0862		
.725		-.0014			
.750			.0473		
.806	-.2030				
.832	-.2212				
.850			-.0918		
.900		-.2309			-.1208
.930			-.2024		
.966	-.2978				

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090			-.1133		.0160
.400			.3130		
.419		.3286			
.530		.3080			.2125
.600					
.697	.2801				
.700			.1111		
.725		.0211			
.750			.0671		
.806	-.1853				
.832	-.2036				
.850			-.0688		
.900		-.2097			-.1088
.930			-.1843		
.966	-.2863				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 375

ARC 97-710 1A12B ON TI SI BOTTOM WING 11:

(RB1832)

MACH (1) = 1.550 ALPHA (7) = 4.050 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0870		.3191
.400				.3561		
.419		.3845				
.550			.3266			.2189
.600						
.697	.3226					
.700				.1309		
.725			.0493			
.750					.0764	
.806		-1.669				
.832	-1.025					
.850				-0.0626		-1.050
.900		-2.026				
.950				-1.1850		
.966	-2.678					

MACH (1) = 1.550 ALPHA (8) = 6.050 RNL = 3.943 PTO = 2119.889 PO = 537.000 TTO = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.3224		.4932
.400				.2997		
.419		.4046				
.550			.3091			.2243
.600						
.697	.3744					
.700				.1203		
.725			.0480			
.750					.0770	
.806		-1.677				
.832	-1.012					
.850				-0.0605		-0.0669
.900		-2.015				
.950				-1.1761		
.966	-2.461					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 376

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)11

(RBV832)

MACH (1) = 1.550 ALPHA (9) = 8.040 RNL = 3.943 FTO = 2119.889 PO = 537.000 TTD = 129.222

SECTION (1) WING

DEPENDENT VARIABLE CF

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.920

.950

.966

.5354

.3212

.3832

.3224

.3746

.0449

.1296

.0954

-.1745

-.2003

-.0542

-.2010

-.1713

.5799

.2321

.0768

.2284

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 377

ARC 97-710 1A12B OF 11 BOTTOM WING(21)

(REV033) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = 0.0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDER = 10.000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.320 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTD = 331.111
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2232 -.1550
 .400 .0222
 .419 -.0148
 .550 -.0675
 .600 .0164
 .697 -.1626
 .720 -.1242
 .725 -.2286
 .750 -.1307
 .806 -.2585
 .832 -.2299
 .850 -.2384
 .900 -.2900
 .950 -.3165
 .966 -.2033

MACH (1) = 1.550 BETA (2) = -6.290 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTD = 331.111
 SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1796 -.1099
 .400 .0736
 .419 -.0034
 .550 -.0252
 .600 .0223
 .697 -.1254
 .720 -.1020
 .725 -.1910
 .750 -.1066
 .806 -.2700
 .832 -.2304
 .850 -.2339
 .900 -.3315
 .950 -.3165
 .966 -.2156

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 378

ARC 97-710 1A128 OF T1 S1 (BOTTOM WING)21

(RBV833)

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 3.926 PTO = 2120.000 PO = 536.889 TPO = 131.111

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

MACH (1) = 1.550

BETA (4) = -2.230

RNL =

3.926

PTO =

2120.000

PO =

536.889

TPO =

131.111

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 379

ARC 97-710 1A128 ON T1 S1 (BOTTOM MIN) 21

(RBV833)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 3.926 PTO = 2120.000 PO = 536.889 TPO = 131.111

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1687
.2998
.2812
.2526
.2062
.0969
-.0015
.0499
-.2032
-.2186
-.0772
-.2172
-.1937
-.1056

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 3.926 PTO = 2120.000 PO = 536.889 TPO = 131.111

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1538
.3115
.2584
.2805
.2177
.1274
.0398
.0853
-.1627
-.1538
-.0615
-.1893
-.1735
-.0808

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 380

ARC 97-715 1A12B OF 11 SL (BOTTOM WING) 21

(RB1833)

MACH (1) = 1.550 BETA (7) = 3.860 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.1104		-.0503
.400				.3426		
.419		.3320				
.550			.3209			.2305
.600						
.697	.2382			.1208		
.700						
.725			.0483			.0708
.750						
.806		-.1489				
.832	-.1532			-.0550		-.1090
.850			-.1882			
.900				-.1700		
.950						
.966	-.3541					

MACH (1) = 1.550 BETA (8) = 5.900 RNL = 3.926 PTO = 2120.000 PO = 536.889 TTO = 131.111

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.0714		.0293
.400				.4100		
.419		.3764				
.550			.3295			.2379
.600						
.697	.3004			.1391		
.700						
.725			.0635			.0929
.750						
.806		-.1293				
.832	-.1212			-.0492		-.0900
.850			-.1696			
.900				-.1646		
.950						
.966	-.3563					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 381

ARC 97-710 1A12B OF T1 SI (BOTTOM WING)21

(RBV333)

MACH (1) = 1.550 BETA (9) = 7.930 RNL = 3.926 PTO = 2120.000 PO = 536.889 TPO = 131.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050					
.400			-.0194		.0961
.419			.4251		
.550	.4339				
.600		.3847			.2652
.697					
.700	.4118				
.725			.1618		
.750		.0885		.1104	
.806					
.832	-.1103				
.850					
.900			-.0309		-.0776
.950			-.1627		-.1517
.966	-.3519				

ARC 97-719 1A12B 01 T1 S1 (BOTTOM WING) 11

(RBV834) (04 APR 74)

REFERENCE DATA

GREF = 2690.0000 SA.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .5195 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 19.500
POWER = .000 GIMBAL = 1.000

```

WACH ( 1 ) = 2.031  ALPHA ( 1 ) = -7.523  RNZ  = 3.432  PTO  = 217.667  PO  = 270.111  TPO  = 117.889

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SECTION (1) WINE

DEPENDENT VARIABLE CF

ETA	.2993	.4273	.5343	.6733	.7833	.8873
-----	-------	-------	-------	-------	-------	-------

27

0.093	-0.1999	-0.1714
0.403	-0.1132	
0.419		
0.593	-0.0189	
0.823	0.0066	
0.697		-0.1710
0.733	-0.0178	
0.723		
0.753	-0.0325	
0.876		-0.1391
0.832	-0.1163	
0.850	-0.1682	
0.923		
0.953	-0.1393	-0.2245
0.966	-0.1399	
	-0.2347	

WACH (1) = 2.001 ALPHA (2) = -5.540 RNL = 3.432 PTO = 2117.667 FO = 270.111 TTD = 117.889

APPENDIX 1

DEPENDENT VARIABLE CP

ETA	.2993	.4279	.5343	.6733	.7893	.8879
-----	-------	-------	-------	-------	-------	-------

348

0.090	-0.132	-0.1026
0.400	-0.0962	
0.419		
0.550	0.0209	
0.620	-0.0076	
0.697		-0.1069
0.700	-0.0129	
0.725		
0.750	-0.0195	-0.0153
0.806		-0.1058
0.832	-0.1119	
0.850	-0.1664	
0.950		-0.0398
0.950	-0.1261	-0.1774
0.966	-0.2285	-0.1032

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 383

ARC 97-710 1A12B CL T1 S1 (BOTTOM WING)11

(RBV834)

MACH (1) = 2.001 ALPHA (3) = -3.580 RNL = 3.432 PTO = 2117.667 PO = 270.111 TPO = 117.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.1053	-.0753
.400	-.0853	
.419		
.550	.0065	
.600	.0340	-.0728
.697	-.0090	
.700		
.725	-.0253	
.750	-.0027	-.1074
.806	-.1023	
.832	-.1577	
.850	-.0337	-.1815
.900	-.1183	-.0995
.950	-.0995	
.966	-.2222	

MACH (1) = 2.001 ALPHA (4) = -4.540 RNL = 3.432 PTO = 2117.667 PO = 270.111 TPO = 117.889

SECTION (1) WING

DEPENDENT VARIABLE C_L

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.0321	-.0246
.400	-.0642	
.419		
.550	.0267	
.600	.0511	-.0253
.697	.0023	
.700		
.725	.0294	
.750		
.806	-.0867	-.0649
.832	-.1439	
.850		.0148
.900	-.0907	-.1583
.950	-.0501	
.966	-.2152	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 384

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)11

(RBWB34)

MACH (1) = 2.021 ALPHA (5) = .440 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0236		.0403
.400				-.0100		
.419		.0130				
.550			.0838			
.600						.0418
.697	.0332					
.700				.0525		
.725			.0942			
.750						
.806		-.0997			-.0185	
.832	-.1196					
.850				.0682		
.900		-.0461			-.1091	
.950				-.0283		
.966	-.2080					

MACH (1) = 2.021 ALPHA (6) = 2.450 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0730		.1134
.400				.0208		
.419		.0521				
.550			.1286			
.600						.0839
.697	.1486					
.700				.1634		
.725			.1723			
.750					.0174	
.806		-.0401				
.832	-.0945					
.850			.1129			-.0893
.900		-.0364				
.950			.0123			
.966	-.2040					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 385

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)111

(RBWB34)

MACH (1) = 2.001 ALPHA (7) = 4.440 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1417 .1822
 .400 .0916
 .419 .1039
 .550 .1616
 .600 .1407
 .697 .2083
 .700 .2475
 .725 .1998
 .750 .0521
 .806 -.0154
 .832 -.0554
 .850 .1318
 .900 -.0299
 .950 .0263
 .966 -.0404
 .966 -.2031

MACH (1) = 2.001 ALPHA (8) = 6.450 RNL = 3.432 PTO = 2117.667 PO = 270.111 TTO = 117.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2022 .2775
 .400 .1670
 .419 .1529
 .550 .3899
 .600 .2090
 .697 .1803
 .700 .2856
 .725 .1791
 .750 .2775
 .806 -.0138
 .832 -.0446
 .850 .1205
 .900 -.0271
 .950 .0068
 .966 -.1268
 .966 -.2108

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 SI (BOTTOM WING)11

(REB34)

WACH (1) = 2.001 ALPHA (9) = 8.480 RNL = 3.432 FTO = 2117.667 P0 = 270.111 TFO = 117.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7850 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.2928
.2744
.1863
.4106
.2785
.3101
.2059
-.0132
-.0603
-.0436
.0974
-.0113
.4062
.4296
.2661
.0911

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 387

ARC 97-710 1A128 01 T1 SI (BOTTOM WING)21

(RBV835) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.350 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 2.001 BETA (2) = -6.320 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 BOTTOM WING(21

(RBV835)

MACH (1) = 2.001 BETA (3) = -4.290 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0561		-.0275
.400				.0495		
.419		.0003				
.550			-.0259			.0586
.600						
.697	-.0320					
.700				.0416		
.725			-.0222			-.0571
.750						
.806		-.1384				
.832	-.1544					
.855				-.0428		
.920			-.1597			-.1200
.950				-.1284		
.966	-.1482					

MACH (1) = 2.001 BETA (4) = -2.270 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0318		-.0245
.400				-.0525		
.419		.0180				
.550			-.0158			-.0249
.600						
.697	.0322					
.700				-.0463		
.725			.0736			
.750					-.0400	
.806		-.0853				
.832	-.1429					
.855				.0313		
.920			-.1015			-.1046
.950				-.0617		
.966	-.1801					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 389

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING) 21

(RBVB35)

MACH (1) = 2.001 BETA (5) = -.240 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			-.0043		.0248
.400			-.0360		
.419		.0121			
.550					
.600		.0802			.0161
.697	.0613				
.700			.0318		
.725		.0944			
.750				-.0344	
.806	-.0585				
.832	-.1194				
.850			.0909		-.1370
.900		-.0732			
.950			-.0358		
.966	-.2074				

MACH (1) = 2.001 BETA (6) = 1.780 RNL = 3.443 PTO = 2119.667 PO = 271.000 TTO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.0150		.0553
.400			-.0164		
.419		.1212			
.550					
.600		.1214			.0350
.697	.1030			.0584	
.700					
.725		.1512			
.750				-.0040	
.806	-.0444				
.832	-.0864				
.850			.0904		-.1259
.900		-.0549			
.950			-.0121		
.966	-.2233				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 390

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING) 21

(RBV835)

MACH (1) = 2.001 BETA (7) = 3.800 RNL = 3.443 PTO = 2119.667 PO = 271.000 TPO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				.0645	.0950	
.400				.0197		
.419		.1863				
.530			.1819			.0724
.600						
.697						
.700	.2216			.2084		
.725			.1771			
.750					.0253	
.806		-.0135				
.832	-.0550			.1095		
.850						
.900		-.0347				-.1017
.950			-.0223			
.966	-.2117					

MACH (1) = 2.001 BETA (8) = 5.830 RNL = 3.443 PTO = 2119.667 PO = 271.000 TPO = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				.1150	.1282	
.400				.0485		
.419		.2821				
.530			.2776			.1018
.600						
.697		.2776		.2766		
.700						
.725			.1735			
.750					.1686	
.806		-.0051				
.832	-.0304					
.850				.1136		
.900			-.0196			-.0441
.950				.0708		
.966	-.2060					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A:28

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ARC 97-710 1A:28 OF 11 SI (BOTTOM WING) 21

(RBVB35)

MACH (1) = 2.051 BETA (9) = 7.865 RNL = 3.443 PTO = 2119.667 PO = 271.000 T70 = 117.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1737		.1750
.400				.1185		
.419		.3348				
.590			.3262			.1850
.600						
.697	.3355			.3204		
.700						
.725		.2131			.2109	
.750						
.806		.0532				
.832	-.0196					
.890			.1453			
.900		-.0071				-.0372
.950			.0146			
.966	-.2029					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (BOTTOM WING)111

(RBV836) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 403.0000 IN.
 SCALE = .5190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 OFR = .409 SRMR = .557
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.570 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050 -.2045 -.1758
 .400 -.1303
 .419 -.0904
 .550 -.0013
 .600 -.1731
 .697 -.0165
 .700 -.0602
 .725 -.0330
 .750 -.1529
 .806 -.1150
 .832 -.1498
 .850 -.0847
 .850 -.2325
 .900 -.1518
 .950 -.1452
 .966 -.1564

MACH (1) = 2.001 ALPHA (2) = -5.580 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C
 .050 -.1738 -.1317
 .400 -.1199
 .419 -.0243
 .550 .0186
 .600 -.1370
 .697 -.0178
 .700 -.0446
 .725 -.0207
 .750 -.1422
 .806 -.1122
 .832 -.1387
 .850 -.0689
 .850 -.2107
 .900 -.1474
 .950 -.1347
 .966 -.1606

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 393

ARC 97-710 1A128 OI T1 SI (BOTTOM WING)11

(RBV836)

MACH (1) = 2.001 ALPHA (3) = -3.570 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 2.001 ALPHA (4) = -1.600 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 394

ARC 97-710 1A12B OI T1 SI (BOTTOM WING)11

(RB1836)

MACH (1) = 2.001 ALPHA (5) = .450 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			-.0108		.0249
.419			-.0384		
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.900					
.950					
.966					

MACH (1) = 2.001 ALPHA (6) = 2.460 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400			.0554		.1001
.419			.0054		
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 395

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)111

(RBV836)

MACH (1) = 2.001 ALPHA (7) = 4.460 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1360 .1721
 .400 .0754
 .419 .1009 .1541 .1355
 .550 .1541
 .600 .1754
 .697 .1627 .2035 .0484
 .700 .1754
 .725 .2035
 .730 .0484
 .806 .1328
 .832 -.0320 .0127
 .850 .1328
 .900 -.0408
 .950 .0127
 .966 -.1460

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 3.619 PTO = 2241.444 PO = 286.111 TTO = 119.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1855 .2687
 .400 .1633
 .419 .1417 .3896 .2113
 .550 .1764 .2832
 .600 .1764
 .697 .1791 .2732
 .700 .1764
 .725 .1764
 .730 .1764
 .806 .1764
 .832 -.0166 .2732
 .850 -.0436
 .900 .1179 .1205
 .950 -.0290 .0040
 .966 -.1667

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (BOTTOM WING)111

(REBVS36)

MACH (1) = 2.201 ALPHA (9) = 8.493 RNL = 3.619 PTO = 2241.444 PO = 286.111 YTO = 119.558

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090

.400

.419

.595

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.2823

.2863

.4076

.1982

.4204

.2808

.3069

.2023

.2663

-.0165

-.0607

.0937

-.0444

-.0203

.0908

-.1464



DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 397

ARC 97-710 1A12B OL T1 SI (BOTTOM WING)21

(RBW837) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 OFR = .409 SRMFR = .357
 POWER = 1.000 CINCAL = 1.000

MACH (1) = 2.001 BETA (1) = -8.350 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1297 -.0911
 .400 .0114
 .419 .0196
 .550 .0006
 .600 .0550
 .697 -.0874
 .700 -.0465
 .725 -.1083
 .750 -.0362
 .806 -.1036
 .832 -.1073
 .850 -.1303
 .900 -.0871
 .920 -.1716
 .950 -.1025
 .966 -.0895

MACH (1) = 2.001 BETA (2) = -6.330 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1107 -.0485
 .400 .0092
 .419 .0140
 .550 .0111
 .600 .0410
 .697 -.0765
 .700 .0005
 .725 -.0945
 .750 .0207
 .806 -.1139
 .832 -.1034
 .850 -.1083
 .900 -.1255
 .920 -.1658
 .950 -.0829
 .966 -.0956

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 SI (BOTTOM WING)21

(RB/837)

MACH (1) = 2.001 BETA (3) = -4.300 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0902 -.0306

.400 .0453

.419 .0054

.550 -.0024

.600 .0698

.697 -.0433

.700 .0716

.725 -.0369

.750 -.0302

.806 -.1236

.832 -.0991

.890 -.0592

.900 -.1573

.950 -.1406

.966 -.1217

MACH (1) = 2.001

BETA (4) = -2.270

RNL = 3.612

PTO = 2235.333

PO = 285.111

TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0395 -.0081

.400 -.0594

.419 .0028

.550 .0028

.600 -.0055

.697 .0354

.700 -.0215

.725 .0345

.750 -.0420

.806 -.0980

.832 -.1314

.890 .0194

.900 -.1101

.950 -.0758

.966 -.1056

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OI T1 S1 (BOTTOM WING) 21

(RBV037)

MACH (1) = 2.001 BETA (5) = -.240 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 2.001

BETA (6) = 1.780

RNL = 3.612

PTO = 2235.333

PO = 285.111

TTO = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 400

ARC 97-710 1A129 01 T1 S1 (BOTTOM MINING)

(REV837)

MACH (1) = 2.001 BETA (7) = 3.803 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030	.0377	.0927
.400	.0146	
.419	.1765	
.550	.1902	
.600		.0724
.697	.2233	
.700		
.725	.1771	.2016
.750		.0098
.806	-.0170	
.832	-.0597	
.850	.1047	
.900	-.0362	-.1562
.950	-.0055	
.966	-.1814	

MACH (1) = 2.001 BETA (8) = 5.650 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTO = 119.000

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.030	.1049	.1280
.400	.0469	
.419	.2825	
.550	.2773	
.600		.1046
.697	.2772	
.700		
.725	.1740	.2783
.750		.1560
.806	-.0046	
.832	-.0167	
.850		.1145
.900	-.0192	-.0493
.950	.0028	
.966	-.1713	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A128

PAGE 401

ARC 97-715 1A128 OF T1 S1 (BOTTOM WING) 21

(RBVB37)

MACH (1) = 2.001 BETA (9) = 7.875 RNL = 3.612 PTO = 2235.333 PO = 285.111 TTD = 119.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA

.2990 .4270 .5340 .6750 .7805 .8875

X/C

.090	.1749	.1748
.400	.0934	
.419	.3327	
.550	.3280	.1880
.600		
.697	.3335	
.700		
.725	.2148	.3217
.750		.1928
.806	.0342	
.832	-.0139	
.850		.1449
.900	-.0046	-.0392
.950		.0135
.966	-.1737	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 402

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)11

(RBV838) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = 10.000
 CDR = .433 SRMFR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -6.030 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 .2770

-.4182
 -.0325
 .0726
 .0941
 .0314
 -.0817
 -.0268
 -.2508
 -.2739
 -.2876
 -.1627
 -.2647
 -.1614
 -.0240
 -.3928
 -.0700

MACH (1) = 1.550 ALPHA (2) = -3.990 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966
 .2647

-.3552
 .1462
 .1532
 .1473
 .0781
 .0152
 -.0512
 -.2332
 -.2487
 -.1466
 -.2694
 -.2523
 -.3074
 .0203
 -.0129
 -.1368

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 403

ARC 97-710 1A128 O1 T1 S1 BOTTOM WING)11

(RBWB38)

MACH (1) = 1.550 ALPHA (3) = -2.040 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550

ALPHA (4) = -.030

RNL = 4.087

PTO = 2234.000

PO = 566.111

TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 404

ARC 97-710 1A128 OI T1 S1 (BOTTOM WING)111

(BBVB38)

MACH (1) = 1.550 ALPHA (5) = 2.000 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1100
.3074
.3269
.3191
.2696
.1196
.0247
.0756
-.1878
-.2022
-.0579
-.1899
-.1726
-.1085

.0187
.2274

MACH (1) = 1.550 ALPHA (6) = 3.980 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.0646
.3094
.3773
.3393
.3169
.1399
.0485
-.1699
-.1833
-.0576
-.1880
-.1696
-.0918

.2940
.2275
.0770

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 405

ARC 97-710 1A128 O1 T1 S1 (BOTTOM WING)11

(RBV838)

MACH (1) = 1.550 ALPHA (7) = 5.980 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.3006		.4908
.400				.3064		
.419		.4071				
.550			.3336			.2445
.600						
.697	.3762					
.700				.1293		
.725			.0464			
.750					.0852	
.806		-.1710				
.832	-.1791					
.850			-.0473			
.900		-.1794			-.0839	
.950			-.1625			
.966	-.2189					

MACH (1) = 1.550 ALPHA (8) = 7.900 RNL = 4.087 PTO = 2234.000 PO = 566.111 TTO = 136.556

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.5346		.5755
.400				.3252		
.419		.3876				
.550			.3415			.2690
.600						
.697	.3838					
.700				.1439		
.725			.0470			
.750					.1096	
.806		-.1763				
.832	-.1932					
.850			-.0392			
.900			-.1763		-.0644	
.950				-.1567		
.966	-.1948					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 406

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING) 21

(RBV839) (54 APR 74)

REFERENCE DATA

SREF = 2490.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = 10.000
 OPR = .433 SWMR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.340 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTD = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2139 -.1509
 .400 .0249
 .419
 .550 -.0048
 .600 -.0499
 .697 -.1920
 .700
 .725 -.1238
 .750 -.2183
 .806 -.2146
 .832 -.1971
 .850
 .900 -.2391
 .920 -.2105
 .950 -.3133
 .966 -.1641

MACH (1) = 1.550 BETA (2) = -6.300 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTD = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1538 -.0932
 .400 .0764
 .419
 .550 .0053
 .600 -.0091
 .697 -.1129
 .700
 .725 -.0971
 .750 -.1919
 .806 -.2433
 .832 -.1991
 .850
 .900 -.2206
 .920 -.2839
 .950 -.2993
 .966 -.1710



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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 407

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM WING)21

(RBV839)

MACH (1) = 1.550 BETA (3) = -4.260 RNL = 4.078 PTO = 2234.889 FO = 566.333 TTD = 137.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 BETA (4) = -2.230 RNL = 4.078 PTO = 2234.889 FO = 566.333 TTD = 137.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 408

ARC 97-710 1A128 OI T1 SI (BOTTOM WING) 21

(RBV839)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 4.078 PTO = 2234.889 FO = 566.333 TTO = 137.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 BETA (6) = 1.840 RNL = 4.078 PTO = 2234.889 FO = 566.333 TTO = 137.889

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 409

ARC 97-710 1A128 OF T1 SI BOTTOM WING)21

(R8V839)

MACH (1) = 1.550 BETA (7) = 3.870 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.1016		-.0193
.400				.3505		
.419		.3381				
.550			.3364			
.600						.2484
.697	.2493					
.700				.1235		
.725			.0489			
.750					.0797	
.806			-.1481			
.832	-.1460					
.850				-.0513		
.900			-.1642			-.0915
.950				-.1626		
.966	-.3175					

MACH (1) = 1.550 BETA (8) = 5.900 RNL = 4.078 PTO = 2234.889 PO = 566.333 TTO = 137.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.050				-.0650		.0424
.400				.4137		
.419		.3819				
.550			.3482			
.600						.2539
.697	.3165					
.700				.1504		
.725			.0649			
.750					.0923	
.806		-.1285				
.832	-.1174					
.850				-.0392		
.900			-.1486			-.0781
.950				-.1533		
.966	-.3228					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 410

ARC 97-710 1A128 Q1 T1 S1 BOTTOM WING 121

(RDW839)

MACH (1) = 1.590 BETA (9) = 7.940 RNL = 4.078 PTO = 2234.889 PO = 566.333 TPO = 1337.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090

.400

.419

.550

.620

.697

.700

.725

.750

.806

.832

.850

.920

.950

.966

-.0036

.4319

.4460

.4014

.1725

.0887

.1205

-.1144

-.0193

-.1413

-.1399

-.0664

.1078

.2797

-.1059

-.3289

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S1 (BOTTOM WING)11

(080840) (04 APR 74)

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .409 SEMPR = .557
 POWER = 1.000 CINSAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.653 RNL = 3.744 PTO = 2276.444 PO = 290.667 TPO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2037 -.1734
 .400 -.1278
 .419 -.0172 .0247 -.1705
 .590
 .600
 .697 -.0161
 .700
 .725 -.0303 -.0519
 .750
 .806 -.1174 -.1430
 .832 -.1571
 .850
 .900 -.0773 -.2283
 .950 -.1503 -.1413
 .966 -.1615

MACH (1) = 2.001 ALPHA (2) = -5.620 RNL = 3.744 PTO = 2276.444 PO = 290.667 TPO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419 -.0182 .0176
 .590
 .600
 .697 -.0127
 .700
 .725 -.0452
 .750 -.0140
 .806 -.1120
 .832 -.1641
 .850
 .900 -.1461 -.0640
 .950 -.1307
 .966 -.1642

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 412

ARC 97-710 1A12B OF T1 S1 (BOTTOM WING)11

(RBV840)

WCH (1) = 2.001 ALPHA (3) = -3.620 RNL = 3.744 PTO = 2276.444 PO = 290.667 T10 = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7600	.8870
X/C						
.030						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

WCH (1) = 2.001

ALPHA (4) = -1.610

RNL =

3.744

PTO =

2276.444

PO =

290.667

T10 =

111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7600	.8870
X/C						
.030						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

INSULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OR T1 S1 (BOTTOM WING)11

(RBVB40)

MACH (1) = 2.021 ALPHA (5) = .320 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

A/C

.050	-.0112	.0252
.400	-.0450	
.419		
.550	-.0021	.0743
.600		.0115
.697	.0882	
.700		.0118
.725	.0960	
.750		-.0432
.806	-.0390	
.832	-.1286	
.850		.0517
.900	-.0798	-.1424
.950	-.0333	
.966	-.1506	

MACH (1) = 2.031 ALPHA (6) = 2.410 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0458	.0989
.400	.0008	
.419		
.550	.0389	.1176
.600		.0674
.697	.1633	
.700		.1333
.725	.1751	
.750		-.0042
.806	-.0410	
.832	-.0998	
.850		.0994
.900	-.0576	-.1040
.950	-.0033	
.966	-.1409	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A125

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ARC 97-710 1A125 CI TI SI BOTTOM WING)11

(RBVB4D)

MACH (1) = 2.001 ALPHA (7) = 4.380 RNL = 3.744 PTO = 2276.444 PO = 290.667 T70 = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1217 .1649
 .400 .0638
 .419 .1023
 .550 .1582
 .620 .1211
 .697 .2119
 .700 .2806
 .725 .1866
 .750 .0722
 .806 -.0225
 .832 -.0666
 .850 .1236
 .900 -.0427
 .950 -.0489
 .966 -.1539

MACH (1) = 2.001 ALPHA (8) = 6.330 RNL = 3.744 PTO = 2276.444 PO = 290.667 T70 = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .1830 .2543
 .400 .1680
 .419 .1469
 .550 .3844
 .620 .1937
 .697 .1848
 .700 .2766
 .725 .1754
 .750 .2647
 .806 -.0172
 .832 -.0482
 .850 .1233
 .900 -.0364
 .950 .0077
 .966 -.1662

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 SL (BOTTOM MINC)11

DEB18403

MACN (1) = 2.001 ALPHA (9) = 0.395 RNL = 3.744 PTO = 2276.444 PO = 290.667 TTD = 111.778

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2995 .4270 .5340 .6790 .7820 .8670

X/C

.595			.2793		.3982
.600			.2679		
.419		.1856			
.595		.4036			.4243
.600					
.697	.2749				
.700			.3136		
.725		.1981		.2662	
.750					
.806					
.832	-.0825				
.895			.0946		
.900		-.0485			.0857
.950			-.0809		
.966	-.1903				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 416

ARC 97-710 1A128 01 T1 SL BOTTOM WING 121

(RBVB41) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .409 SRMR = .557
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 2.001 BETA (1) = -0.350 RNL = 3.714 PTO = 2276.222 PO = 290.667 TPO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1338 -.5881
 .400 -.0002
 .419 .0164
 .550 -.0159
 .600 .0440
 .697 -.0675
 .720 -.1123
 .725 -.0467
 .750 -.0369
 .806 -.1141
 .832 -.1162
 .850 -.1529
 .900 -.1072
 .950 -.1817
 .966 -.1043
 .976 -.0976

MACH (1) = 2.001

BETA (2) = -0.330

RNL = 3.714

PTO = 2276.222

PO = 290.667

TPO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1108 -.0489
 .400 .0156
 .419 .0143
 .550 .0078
 .600 .0290
 .697 -.0716
 .720 .0051
 .725 -.0677
 .750 .0198
 .806 -.1199
 .832 -.1057
 .850 -.1061
 .900 -.1430
 .950 -.1670
 .966 -.0948
 .976 -.0607

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 417

ARC 97-710 1A128 OF 11 SI (BOTTOM WING)2:

(RB1241)

MACH (1) = 2.001 BETA (3) = -4.300 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 2.001 BETA (4) = -2.270 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTD = 115.222

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 410

ARC 97-710 1A12B OI TI SI BOTTOM MIN6121

(RBV841)

MACH (1) = 2.001 BETA (5) = -.250 RNL = 3.714 PTO = 2276.222 PO = 290.667 TPO = 115.222

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

MACH (1) = 2.001 BETA (6) = 1.700 RNL = 3.714 PTO = 2276.222 PO = 290.667 TPO = 115.222

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 SL (BOTTOM WING)21

(RBVB41)

MACH (1) = 2.001 BETA (7) = 3.810 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0386	.0912
.400	.0154	
.419		
.550	.1791	
.600	.1800	.0656
.697		
.700	.2304	
.725		
.750	.1757	.1989
.806		.0087
.832	-.0188	
.850	-.0612	
.900	.1072	
.950	-.0386	-.1039
.966	-.0031	
	-.1897	

MACH (1) = 2.001 BETA (8) = 5.840 RNL = 3.714 PTO = 2276.222 PO = 290.667 TTO = 115.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.1056	.1301
.400	.0483	
.419		
.550	.2593	
.600	.2700	.0963
.697		
.700	.2784	
.725		
.750	.1742	.2756
.806		.1496
.832	-.0050	
.850	-.0253	
.900	.1171	
.950	-.0240	-.0571
.966	.0017	
	-.1828	

GATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-719 - 1A128

PAGE 420

ARC 97-710 1A128 O1 T1 S1 (BOTTOM MIN) 21

(081041)

WACH (1) = 2.051 BETA (9) = 7.062 RML = 3.734 PTO = 2276.222 PO = 295.667 TPO = 115.222

SECTION (1) MINING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

	DEPENDENT VARIABLE CP					
.090						
.400			.1806		.1722	
.419			.1196			
.590		.3332				
.600			.3190			.1711
.697						
.700	.3339			.3199		
.725			.2119			
.750				.1884		
.806		.0345				
.832	-.0100					
.850			.1433			
.900		-.0115			-.0413	
.950			.0109			
.966	-.1795					

TABULATED SOURCE DATA - ARC 97-710 - 1A128

DATE 13 JUN 74

(RBVB42) (04 APR 74)

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING) 21

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OPR = .433 SRMRP = .469
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 BETA (1) = -8.320 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CP
.090	-.2330
.400	.0170
.419	-.0078
.550	-.0604
.600	.0032
.697	-.1506
.700	-.1369
.725	-.2193
.750	-.1314
.806	-.2187
.832	-.2031
.850	-.2521
.900	-.2369
.950	-.3266
.966	-.1669

MACH (1) = 1.550 BETA (2) = -6.290 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C	CP
.090	-.1695
.400	.0743
.419	.0051
.550	-.0214
.600	.0219
.697	-.1116
.700	-.1100
.725	-.1890
.750	-.1128
.806	-.2464
.832	-.2017
.850	-.2336
.900	-.3085
.950	-.3158
.966	-.1754

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 422

ARC 97-710 1A128 ON T1 S1 (BOTTOM MINING)

(RBNB42)

MAON (1) = 1.550 BETA (3) = -4.250 RNL = 3.716 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7852 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .968

-.1564
 .0915
 .0529
 .0282
 -.0274
 -.0637
 -.1325
 -.2662
 -.2272
 -.3111
 -.2914
 -.1998
 -.2113
 -.0798
 .0406

MAON (1) = 1.550 BETA (4) = -2.250 RNL = 3.716 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7852 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .968

-.2281
 .1614
 .1342
 .1558
 .1239
 .0243
 -.0375
 -.0080
 -.2059
 -.1344
 -.2516
 -.2332
 -.1618

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 423

ARC 97-710 1A12B ON T1 S1 BOTTOM WING121

(RBV842)

MACH (1) = 1.550 BETA (5) = -.220 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				-.2103		-.1502
.400				.2896		
.419		.2759				
.550			.2320			
.600						.1968
.697	.2317			.0830		
.700						
.725			-.0055			
.750					.0444	
.806		-.2075				
.832	-.2234			-.0913		-.1224
.850			-.2303			
.900				-.2055		
.950						
.966	-.2499					

MACH (1) = 1.550 BETA (6) = 1.830 RNL = 3.718 PTO = 1980.333 PO = 501.556 TTO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.030				-.1664		-.1147
.400				.3137		
.419		.2465				
.550			.2751			
.600						.2054
.697	.2830			.1285		
.700			.0385			
.725					.0814	
.750		-.1633				
.806						
.832	-.1471			-.0707		-.0999
.850			-.2010			
.900						
.950						
.966	-.2377			-.1871		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 424

ARC 97-710 1A128 CL T1 \$1 (BOTTOM MIN)21

(RB1842)

MACH (1) = 1.550 BETA (7) = 3.660 RNL = 3.718 PTO = 1980.333 PO = 501.556 T70 = 125.111:

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.1174	-.0496
.400	.3392	
.419		
.550	.3319	.3239
.620		
.697	.2399	.2317
.700		
.725		.1098
.730	.0459	
.806	-.1516	.0662
.832	-.1524	
.850		-.0651
.920	-.1945	-.1082
.950		-.1837
.966	-.3260	

MACH (1) = 1.550 BETA (8) = 5.690 RNL = 3.718 PTO = 1980.333 PO = 501.556 T70 = 125.111

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.0703	.0230
.400	.3984	
.419		
.550	.3680	.3314
.620		
.697	.3153	.2356
.700		
.725		.1405
.730	.0611	
.790		.0902
.826	-.1312	
.832	-.1218	
.850		-.0532
.920	-.1733	-.0908
.950		-.1685
.966	-.3363	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 425

ARC 97-710 1A12B 01 T1 S1 (BOTTOM MIN)21

(RBV842)

MACH (1) = 1.550 BETA (9) = 7.920 RNL = 3.718 PTO = 1980.333 PO = 501.556 TPO = 125.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0217		.0932
.400				.4244		
.419		.4369				
.550			.3867			.2649
.600						
.697	.4171			.1628		
.700						
.725			.0879		.1083	
.750						
.806		-.1154				
.832	-.1120					
.850			-.0322			
.900			-.1686			-.0826
.950				-.1551		
.966	-.3365					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 426

(RBV843) (04 APR 74)

ARC 97-710 1A12B OR T1 SI (BOTTOM MINE)11

REFERENCE DATA

SHEP = 2690.0000 SQ.FT. YMRP = 933.0000 IN.
 LREF = 1328.0000 IN. YMRP = .5000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .500 RUDDER = .500
 OPR = .433 SGMFR = .469
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -8.240 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

DEPENDENT VARIABLE CP

SECTION (1) MINE

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.730						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 1.550 ALPHA (2) = -6.010 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

DEPENDENT VARIABLE CP

SECTION (1) MINE

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.730						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S1 (BOTTOM WING)11

(RBWB43)

MACH (1) = 1.550 ALPHA (3) = -4.070 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 ALPHA (4) = -2.060 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 428

ARC 97-710 1A12B Or T1 S1 (BOTTOM WING)11

(RBVB43)

MACH (1) = 1.550 ALPHA (5) = -.080 RNL = 3.703 FTO = 1977.556 PO = 500.889 YTO = 126.333

SECTION (1)MINE DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.723
.750
.806
.832
.850
.900
.950
.966

-.2097
.2703
.2321
.2217
-.0038
-.2091
-.2216
-.2302
-.2506

-.1483
.0869
.0443
.0921
-.1213
-.2082

.1967

MACH (1) = 1.550 ALPHA (6) = 1.920 RNL = 3.703 PTO = 1977.556 PO = 500.889 YTO = 126.333

SECTION (1)MINE DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.723
.750
.806
.832
.850
.900
.950
.966

-.1137
.3285
.3041
.2653
.0239
-.1885
-.2040
-.2151
-.2464

-.0114
.3106
.2137
.1073
.0607
-.0731
-.1915
-.1176

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 429

ARC 97-710 1A12B OL TI SI (BOTTOM WING)11

(RBM43)

MACH (1) = 1.550 ALPHA (7) = 3.890 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0432	.2960
.400	.3042	
.419	.3727	
.550	.3230	.2130
.600		
.697	.3109	
.700		
.725	.0427	.1255
.750		.0707
.806	-.1719	
.832	-.1845	
.850		-.0621
.900	-.2022	-.1076
.953		-.1865
.966	-.2342	

MACH (1) = 1.550 ALPHA (8) = 5.930 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.3111	.4897
.400	.2991	
.419	.3918	
.550	.3126	.2260
.600		
.697	.3744	
.700		
.725	.0431	.1189
.750		.0698
.806	-.1721	
.832	-.1829	
.850		-.0614
.900	-.2042	-.1016
.953		-.1803
.966	-.2149	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 430

ARC 97-710 1A128 OF 11 SI (BOTTOM WING)11

(RBWB43)

MACH (1) = 1.550 ALPHA (9) = 7.893 RNL = 3.703 PTO = 1977.556 PO = 500.889 TTO = 126.333

SECTION (1) WING DEPENDENT VARIABLE CF

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.5029		.5568
.400			.2871		
.419		.3612			
.550		.3075			
.600					.2498
.697	.3783				
.700			.1245		
.725		.0436			
.750				.0861	
.806		-.1816			
.832	-.2062				
.850			-.0599		
.900		-.2079		-.0872	
.950			-.1770		
.966	-.1941				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 431

(R8V844) (04 APR 74)

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)11

REFERENCE DATA

SRFP = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LRFP = 1328.0000 IN. YMRP = .0000 IN.
 BRFP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CTR = .433 SRMR = 1.050
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -8.080 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.806						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 1.550 ALPHA (2) = -5.990 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 432

ARC 97-710 1A128 ON T1 SL (BOTTOM WING)111

(RBV844)

MACH (1) = 1.550 ALPHA (3) = -4.000 RNL = 2.644 FTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .090 .3477 -.3027

.400 .400 .1686

.419 .419 .1572

.550 .550 .1381

.600 .600 .0000 -.0015

.697 .697 .0196

.700 .700 .0557

.725 .725 .0147

.790 .790 .2326

.806 .806 .032

.832 .832 .1440

.850 .850 .2659 -.1388

.900 .900 .2489

.950 .950 .2293

.966 .966

MACH (1) = 1.550 ALPHA (4) = -2.050 RNL = 2.644 FTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .090 .2575 -.2121

.400 .400 .2202

.419 .419 .2346

.550 .550 .1927

.600 .600 .1632 .1595

.697 .697 .0465

.700 .700 .0316

.725 .725 .0203

.790 .790 .2207

.806 .806 .2346

.832 .832 .1169

.850 .850 .2517 -.1325

.900 .900 .2275

.950 .950 .2580

.966 .966

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 433

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)111

(RB1844)

MACH (1) = 1.550 ALPHA (5) = -.070 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1)MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.1809		-.1394
.400				.2919		
.419		.2815				
.550			.2534			
.600						.2086
.697	.2382			.0849		
.700						
.725						
.750				-.0056		.0435
.806						
.832		-.2058				
.850	-.2134			-.0938		-.1222
.900			-.2238			
.950				-.2066		
.966	-.2097					

MACH (1) = 1.550 ALPHA (6) = 2.030 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1)MING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0798		.0156
.400				.3060		
.419		.3290				
.550			.3036			.2151
.600						
.697	.2631			.1077		
.700						
.725			.0227			.0621
.750						
.806		-.1905				
.832	-.1926					
.850				-.0753		-.1193
.900			-.2138			
.950				-.1929		
.966	-.2045					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 434

ARC 97-710 1A128 OF T1 S1 BOTTOM MIN(11)

(881844)

MACH (1) = 1.555 ALPHA (7) = 3.920 RNL = 2.644 PTO = 1344.111 PO = 340.222 TTO = 105.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.0744	.3505
.400	.2932	
.419		
.550	.3765	
.600	.3231	
.697		.2130
.700		
.725	.1253	
.750	.0415	
.806		.0728
.832	-.1714	
.950	-.1734	
.900	-.2024	-.1076
.950	-.1899	
.966	-.1924	

MACH (1) = 1.550

ALPHA (8) =

5.970

RNL =

2.644

PTO =

1344.111

PO =

340.222

TTO = 105.000

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	.3745	.4929
.400	.2927	
.419		
.550	.3086	
.600	.3110	
.697		.2302
.700		
.725	.1220	
.750	.0400	
.806		.0757
.832	-.1730	
.950	-.1702	
.900	-.1970	-.1008
.950	-.1776	
.966	-.1692	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 435

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)11

(RBV044)

MACH (1) = 1.550 ALPHA (9) = 7.943 RNL = 2.644 PTO = 1344.111 PO = 340.222 TPO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.5671

.2965

.3490

.3095

.2539

.1261

.0408

.0667

-.1847

-.1819

-.0613

-.2038

-.1745

-.0824

-.1501

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 436

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)21

(RBWB45) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 SRMRP = 1.000
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 BETA (1) = -0.270 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.2033 -.1666
 .400 .0181
 .419 .0019
 .550 -.0525
 .600 .0117
 .697 -.1353
 .700
 .725 -.1371
 .750 -.1967
 .806 -.1286
 .832 -.1665
 .850 -.1802
 .850 -.2475
 .900 -.1578
 .950 -.3059
 .966 -.2385
 .966 -.1298

MACH (1) = 1.550 BETA (2) = -0.250 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1236 -.1144
 .400 .0691
 .419 .0070
 .550 -.0179
 .600 .0289
 .697 -.1025
 .700
 .725 -.1096
 .750 -.1879
 .806 -.1134
 .832 -.2041
 .850 -.1695
 .850 -.2341
 .900 -.2491
 .950 -.3133
 .966 -.2294
 .966 -.1394

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 437

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM MIN)21

(RWB45)

MACH. (1) = 1.550 BETA (3) = -4.230 RNL = 2.663 PTO = 1349.111 PO = 341.556 T70 = 103.556

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1221		-.0565
.400				.0904		
.419		.0538				
.550			.0341			
.600						.0457
.697	-.0292					
.700				-.0632		
.725			-.1373			
.750					-.0847	
.806		-.2446				
.832	-.1686					
.850				-.2027		
.900			-.2979			-.2097
.950				-.2885		
.966	-.1412					

MACH (1) = 1.550 BETA (4) = -2.220 RNL = 2.663 PTO = 1349.111 PO = 341.556 T70 = 103.556

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.2092		-.1499
.400				.1739		
.419		.1319				
.550			.1449			
.600						.1185
.697	.1181					
.700				.0253		
.725			-.0909			
.750					-.0062	
.806		-.2114				
.832	-.1992					
.850				-.1376		-.1585
.900			-.2482			
.950				-.2333		
.966	-.1725					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 438

ARC 97-710 1A12B OF T1 S1 (BOTTOM WING) 21

(R81845)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 2.663 PTO = 1349.111 PO = 341.556 TPO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

MACH (1) = 1.550 BETA (6) = 1.820 RNL = 2.663 PTO = 1349.111 PO = 341.556 TPO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 439

ARC 97-710 1A12B OI T1 S1 (BOTTOM WING)21

(RBVB45)

MACH (1) = 1.550 BETA (7) = 3.840 RNL = 2.663 PTO = 1349.111 PO = 341.556 TIO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.450
.419
.530
.620
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-.0918
-.0537
.3345
.3339
.3166
.2306
.1107
.0409
.0650
-.1539
-.1462
-.1842
-.0666
-.1090
-.1810

MACH (1) = 1.550 BETA (8) = 5.860 RNL = 2.663 PTO = 1349.111 PO = 341.556 TIO = 103.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
-.0414
.0264
.4013
.3877
.3302
.2422
.1441
.0585
.0899
-.1332
-.1185
-.0501
-.1708
-.1675
-.0926

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 440

ARC 97-710 1A128 01 T1 S1 (BOTTOM WING)21

(RBVB45)

MACH (1) = 1.550 BETA (9) = 7.880 RNL = 2.663 PTO = 1349.111 PO = 341.556 TTD = 103.556

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
N/C						
.050				.0242		.0753
.400				.4110		
.419		.4509				
.550			.3862			.2681
.600						
.697		.4127				
.700				.1625		
.725			.0831			
.750					.1048	
.806		-.1220				
.832	-.1093					
.850			-.0317			-.0820
.900			-.1607			
.950				-.1542		
.966	-.3077					

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .433 SEMPR = 1.790
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 1.550 BETA (1) = -8.230 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0979 -.1247
 .400 .0405
 .419 .0188
 .550 -.0357 .0153
 .600
 .697 -.0946
 .700
 .725 -.1171
 .750
 .806 -.0777
 .832 -.0838
 .850
 .900 -.1770
 .950 -.0581 -.2348
 .966 -.1247
 .966 -.0670

MACH (1) = 1.550 BETA (2) = -6.250 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0673 -.1105
 .400 .0687
 .419 .0337
 .550 .0029 .0399
 .600
 .697 -.0430
 .700
 .725 -.1194
 .750
 .806 -.0765
 .832 -.1048
 .850 -.0619
 .900 -.1931
 .950 -.0661 -.2207
 .966 -.2054
 .966 -.0521

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 442

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING)21

(RB1646)

MACH (1) = 1.550 BETA (3) = -4.210 RNL = 1.464 PTO = 707.667 PO = 179.222 TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.0432		-.0541
.400			.0551		
.419		.0408			
.550			.0235		.0438
.600					
.697	-.0093				
.700			-.0616		
.725			-.1247		-.0808
.750					
.806		-.1196			
.832	-.0673				
.850			-.1893		-.2036
.900			-.1570		
.950			-.2576		
.956	-.1471				

MACH (1) = 1.550 BETA (4) = -2.210

RNL = 1.464

PTO = 707.667

PO = 179.222

TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			-.0952		-.0185
.400			.1638		
.419		.1068			
.550			.1088		.1016
.600					
.697	.0564				
.700			.0267		
.725			-.0771		
.750					
.806		-.2064		-.0306	
.832	-.1101				
.850			-.1478		-.1628
.900			-.2386		-.2445
.950					
.966	-.0738				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 443

ARC 97-710 1A128 01 T1 S1 BOTTOM WING)21

(RB1846)

MACH (1) = 1.550 BETA (5) = -.200 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 BETA (6) = 1.810 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 444

ARC 97-710 1A128 Q1 T1 SL (BOTTOM MIN) 121

(RBV646)

MACH (1) = 1.550 BETA (7) = 3.820 RNL = 1.464 PTO = 707.667 PO = 179.222 TTO = 84.111

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

-.0535
 .3390
 .3406
 .3472
 .2676
 .1228
 .0906
 -.1543
 -.0838
 -.1802
 -.0582
 -.1775
 -.1004

.0007
 .2469
 .0686

MACH (1) = 1.550

BETA (8) = 5.830

RNL = 1.464

PTO = 707.667

PO = 179.222

TTO = 84.111

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

-.0052
 .3981
 .4096
 .3360
 .3267
 .1406
 .0575
 -.1208
 -.0461
 -.1710
 -.1662
 -.0899

.0180
 .2475
 .0910

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 445

ARC 97-710 1A12B Q1 T1 S1 (BOTTOM MIN)21

(RBVB46)

WACH (1) = 1.550 BETA (9) = 7.840 RNL = 1.464 PTO = 707.667 PO = 179.222 YTO = 84.111

SECTION (1)MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6790 .7800 .8870

X/C

.090

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.0730

.4052

.4582

.3955

.2762

.4258

.1738

.0826

-.1148

.1038

-.0329

-.0284

-.1824

-.1534

-.0757

-.1815

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 446

ARC 97-710 1A12B ON T1 S1 (BOTTOM WING) 11

(RBW847) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 GA.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .433 SRMPR = 1.790
 POWER = 1.000 G1MBAL = 2.000

MACH (1) = 1.550 ALPHA (1) = -8.010 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.4030 -.3989
 .400 -.0552
 .419 .0089
 .550 .0404
 .600
 .697 .0872
 .700
 .725 -.1285
 .750 -.0687
 .806 -.2143
 .832 -.0975
 .850
 .900 -.1961
 .930 -.2327
 .966 -.2650
 -.3008
 -.5754

MACH (1) = 1.550

ALPHA (2) = -6.000

RNL = 1.469

PTO = 706.444

PO = 179.000

TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .550 .0815
 .600
 .697 .0846
 .700
 .725
 .750
 .806
 .832 -.2101
 .850
 .900
 .930
 .966
 -.3669
 -.0162
 .0889
 -.0911
 -.0250
 -.0316
 -.1826
 -.1590
 -.2511
 -.2544
 -.1886

ARC 97-710 1A12B Q1 Y1 S1 (BOTTOM WING)11

```

WACH ( 1 ) = 1.593  ALPHA ( 3 ) = -4.059  RNL      = 1.469  PTO      = 706.444  PO      = 179.000  TPO      = 82.222

```

DEPENDENT VARIABLE CP

SECTION 11) WING

ETA .299J .427J .534J .673J .780J .887J

100	-2.601
100	-2.3078

.419 **.1311**

0.600 -0313

1600 .0097

654
-0181

.832 -.1014

900	-2539	-1421
-----	-------	-------

.966 -.1235

$$H(1) = 1.350 \quad \text{ALPHA}(4) = -2.000 \quad KNL$$

EXPLANATION (1) / INDEPENDENT VARIABLE

01000
00010
00100
00000
01000
00000

0.000 -.2295 -.1911

.419 **.2089**

.600	.1587
------	-------

0.759 .0529

.750

161
22
1932-1933

0121-
-262

C22T*- 996*

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 449

ARC 97-710 1A12B OL T1 S1 (BOTTOM WING)111

(RBVB47)

MACH (1) = 1.550 ALPHA (7) = 3.990 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.1249		.4151	
.400			.3022			
.419		.3772				
.550			.3180			
.600					.2192	
.697	.3070					
.700				.1297		
.725			.0378			
.750					.0773	
.806		-.1655				
.832	-.1010			-.0667		
.850					-.1024	
.900		-.1972		-.1862		
.950						
.966	-.1200					

MACH (1) = 1.550 ALPHA (8) = 6.000 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050			.4170		.4998	
.400			.3003			
.419		.3718				
.550			.3114			
.600					.2440	
.697	.3492			.1270		
.700			.0407			
.725					.0743	
.750						
.806		-.1753				
.832	-.1113					
.850				-.0581		
.900		-.1948			-.0851	
.950				-.1808		
.966	-.1012					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 450

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)11

(RBVB47)

MACH (1) = 1.550 ALPHA (9) = 7.920 RNL = 1.469 PTO = 706.444 PO = 179.000 TTO = 82.222

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

.5090
.3281
.3549
.3021
.3676
.1313
.0360
-.1767
-.1015
-.0607
-.2041
-.0768
-.1796
-.0732

.5748
.2575
.0839

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 451

ARC 97-710 1A128 OL T1 SI (BOTTOM WING)11

(RBV848) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OFR = .409 SERFR = 2.128
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.540 RNL = 1.252 FTO = 698.333 FO = 89.222 TFO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1788 -.1577
 .400 -.1113
 .419 -.0678
 .550 .0082
 .600
 .697 .1091
 .700
 .725 -.0017
 .750
 .806 -.0662
 .832
 .850
 .900 -.1046
 .950 -.1161
 .966 .0273

MACH (1) = 2.001 ALPHA (2) = -5.620 RNL = 1.252 FTO = 698.333 FO = 89.222 TFO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1534 -.1246
 .400 -.0853
 .419 -.0925
 .550 .0215
 .600
 .697 .1125
 .700
 .725 .0107
 .750
 .806 -.0808
 .832 -.0156
 .850
 .900 -.1063
 .950 -.1115
 .966 .0281

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 452

ARC 97-710 1A128 OI T1 S1 (BOTTOM MINES)111

(88V848)

MACH (1) = 2.001 ALPHA (3) = -3.600 RNL = 1.252 FTO = 698.333 PO = 89.222 TFO = 77.222

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

MACH (1) = 2.001 ALPHA (4) = -1.540 RNL = 1.252 FTO = 698.333 PO = 89.222 TFO = 77.222

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 453

ARC 97-710 1A12B Q2 T1 S1 (BOTTOM WING)11

(83B348)

MACH (1) = 2.001 ALPHA (5) = .450 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION 11/MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0200 .277
 .400 -.0020
 .419 .0289
 .550 .0558 .0111
 .600 .1205
 .697 .0226
 .707 .0894
 .725 .0238
 .750 .0556
 .806 -.0594
 .832 -.0141
 .850 -.0680
 .900 -.0496
 .950 -.0969
 .966 .0103

MACH (1) = 2.001 ALPHA (6) = 2.360 RNL = 1.252 PTO = 698.333 PO = 89.222 TTD = 77.222

SECTION 11/MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0847 .1087
 .400 .0480
 .419 .0714
 .550 .0849
 .600 .0736
 .697 .1454
 .700 .0565
 .725 .1600
 .750 .0234
 .806 -.0308
 .832 -.0011
 .850 .1009
 .900 -.0433
 .950 -.0059
 .966 .0122

DATE 13 JUN 74

INSULATED SOURCE DATA - ARC 97-200 - 1A128

PAGE 454

ARC 51-710 1A128 ON T1 3 BOTTOM REMAINS

(BBV648)

MACH (1) = 2.701 ALPHA = 4.430 RNL = 1.252 PTC = 690.333 PO = 89.222 T10 = 77.222

SECTION (1) MING

ETA .2990 .270 .7800 .8870

X/C

.090 .1997
.400 .0
.419 .11
.590
.600 .1687
.697 .1800
.700 .2111
.725 .1793
.750 .0622
.806
.832 -.0029
.850 .1214
.900 -.0324
.950 -.0024
.966 -.0009

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.252 PTO = 698.333 PO = 89.222 T10 = 77.222

SECTION (1) MING

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 .2449 .3052
.400 .1953
.419 .1531
.590 .3776 .2264
.600
.697 .2613
.700 .2676
.725 .1699 .2725
.806
.832 -.0132
.850 .1158
.900 .1191
.950 .0083
.966 -.0031

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 455

(RBVB48)

ARC 97-710 1A12B 01 Y1 S1 (BOTTOM WING)11

MACH (1) = 2.001 ALPHA (9) = 8.440 RNL = 1.252 PTO = 698.333 PO = 89.222 TTO = 77.222

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.3156		.4310
.430			.3233		
.419		.4752			
.550				.3781	
.600					.4378
.697	.2742				
.700			.2958		
.725				.1681	
.750					.2476
.806		-.0351			
.832	.0351				
.890			.0885		.0811
.900		-.0444			
.950			-.0190		
.966	-.0317				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)11

(RBWB48) (04 APR 74)

REFERENCE DATA

REF = 2690.0000 SQ.FT. WREF = 953.0000 IN.
 LREF = 1328.0000 IN. WREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 OPR = .409 SEMPR = 1.245
 POWER = 1.000 GINGAL = 2.000

MACH (1) = 2.001 ALPHA (1) = -7.610 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .590
 .620
 .697
 .720
 .725
 .730
 .806
 .832
 .850
 .900
 .930
 .966
 .0513
 .0285
 .1055
 .1412
 .0713
 .1361
 .1570
 .1731
 .1726

MACH (1) = 2.001

ALPHA (2) = -5.610

RNL = 1.967

PTO = 1115.889

PO = 142.444

TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419
 .590
 .620
 .697
 .720
 .725
 .730
 .806
 .832
 .850
 .900
 .930
 .966
 .1615
 .0976
 .0274
 .0277
 .0070
 .1051
 .0512
 .1325
 .1234
 .1272
 .1364
 .1369
 .1850

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 456

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)11:

(RBWB49)

MACH (1) = 2.001 ALPHA (5) = .400 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTD = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090	.0104	.0275
.400	-.0307	
.419		
.590	.0172	.0210
.600		
.697	.0571	
.700		
.725	-.0033	
.750	.0949	
.806		-.0328
.832	-.0566	
.850		
.850	.0498	
.900	-.0685	-.1277
.950	-.0377	
.966	-.0322	

MACH (2) = 2.001 ALPHA (6) = 2.360 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTD = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090	.0698	.1003
.400	.0179	
.419		
.590	.0607	
.600	.0818	.0757
.697		
.700	.0470	
.725	.1532	
.750		.0178
.806	-.0384	
.832	-.0482	
.850	.1017	
.900	-.0454	-.0663
.950	-.0026	
.966	-.0536	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 459

ARC 97-710 1A128 Q1 T1 S1 (BOTTOM WING)11

(RBVB49)

MACH (1) = 2.001 ALPHA (7) = 4.340 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .1458 .1790
 .400 .1090
 .419 .1084 .1830 .1441
 .550
 .600
 .697 .1789
 .700
 .725 .1841 .2172
 .750 .0480
 .806 -.0236
 .832 -.0473
 .890 .1180
 .900 -.0393
 .950 -.0024
 .966 -.0492
 -.0815

MACH (1) = 2.001 ALPHA (8) = 6.400 RNL = 1.967 PTO = 1115.889 PO = 142.444 TTO = 83.889

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .2036 .2736
 .400 .1632
 .419 .2056 .3919 .2207
 .550
 .600
 .697 .2071
 .700 .2687
 .725 .1690 .2608
 .750
 .806 -.0276
 .832 -.0441
 .890 .1115
 .900 -.0307
 .950 -.0006
 .966 -.0858
 .1127

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 480

ARC 97-710 1A128 OI T1 SI (BOTTOM WING)11

(081849)

MACH (1) = 2.001 ALPHA (9) = 8.370 RNL = 1.967 FTO = 1115.689 PO = 142.444 TTD = 83.889

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400			.3015		.4163
.419			.3236		
.550		.2907			
.620		.4032			.4339
.697	.2793				
.700				.2517	
.725		.1615			
.750					
.806	-.0311				
.832	-.0613				
.850			.0866		
.900		-.0459			.0795
.950			-.0252		
.966	-.0792				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 461

ARC 97-710 1A128 01 Y1 S1 (BOTTOM WING)21

(RBW50) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRP = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OPR = .409 SEMPR = 1.245
 POWER = 1.000 GIMBAL = 2.000

MACH (1) = 2.001 BETA (1) = -0.300 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0963 -.0778
 .400 .0609
 .419 .0406
 .550 .0107 .1075
 .600
 .697 -.0597
 .700
 .725 -.0361
 .750 -.0580
 .806 -.0390
 .832 -.0581
 .850
 .900 -.0161
 .950 -.0334
 .966 -.0348

MACH (1) = 2.001

BETA (2) = -6.280

RNL = 1.960

PTO = 1112.667

PO = 141.889

TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 .0869 -.0411
 .400 .0361
 .419 .0418
 .550 .0344
 .600
 .697 -.0339
 .700
 .725 -.0074
 .750 -.0502
 .806 -.0316
 .832 -.0302
 .850
 .900 -.0265
 .950 -.1200
 .966 -.0311

-.0784

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 482

ARC 97-710 1A128 ON T1 S1 (BOTTOM WING)21

(RBWB50)

MACH (1) = 2.001 BETA (3) = -4.270 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0649
.0380
.0259
.0618
.0163
.0475
.0280
.0460
.0351
.0697
.0828
.1406
.0577

-.0207
.0721
.0439

MACH (1) = 2.001 BETA (4) = -2.280 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0273
.0470
.0606
.0349
.0764
.0357
.1142
.0968

-.0028
.0071
.1203
.0022
.0069
.1015

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 463

ARC 97-710 1A128 OF T1 S1 (BOTTOM WING)21

(RBV830)

MACH (1) = 2.001 BETA (5) = -.250 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.0091

-.0323

.0221

.0485

.1196

.0159

.0912

-.0586

-.0660

-.0690

-.0363

-.0275

.0500

-.1237

.0266

.0225

MACH (1) = 2.001 BETA (6) = 1.760 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.0270

-.0029

.1311

.1358

.1247

.1189

.1416

-.0178

.0388

-.0513

.0811

-.0249

-.1213

-.0678

.0538

.0406

.1189

.1416

-.0561

.0811

-.1213

.0406

.1189

.1416

-.0561

.0811

-.1213

.0406

.1189

.1416

-.0561

.0811

-.1213

.0406

.1189

.1416

-.0561

.0811

-.1213

.0406

.1189

.1416

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 464

ARC 97-710 1A128 OF 12 BOTTOM WING(121

(REB550)

WACH (1) = 2.001 BETA (7) = 3.760 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7620	.8870
X/C						
.090				.0746		.0690
.405				.0318		
.419		.1775				
.595			.1995			.0687
.600						
.697	.1934					
.705				.2024		
.725			.1715			
.795					.0323	
.806						
.832	.0182	-.0123				
.890			.1021			
.920		-.0281				-.1094
.950			-.0094			
.966	-.1068					

WACH (1) = 2.001 BETA (8) = 5.790 RNL = 1.960 PTO = 1112.667 PO = 141.889 TTO = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7620	.8870
X/C						
.090				.1262		.1320
.400				.0559		
.419		.2614				
.590			.2825			.1036
.600						
.697	.2890			.2753		
.705						
.725		.1764				
.795					.1721	
.806		.0246				
.832	.0155					
.890			.1131			-.0363
.920		-.0140				
.950			.0059			
.966	-.1114					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 455

ARC 97-710 1A12B OI T1 SI (BOTTOM WING)21

(881853)

MACH (1) = 2.053 BETA (9) = 7.803 RNL = 1.963 PTO = 1117.667 PO = 141.889 TTD = 84.111

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2993	.4270	.5343	.6733	.7800	.8870
X/C						
.093				.1884		.1708
.400				.1544		
.419		.3348				
.550			.3453			
.605						.1807
.697	.3511					
.750				.3111		
.725			.2076			
.753					.2252	
.806		.0334				
.832	-.0073					
.893			.1372			
.930		-.0064				-.0194
.955			.0102			
.966	-.1281					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 466

ARC 97-710 1A12B 01 T1 S1 (BOTTOM WING) 21

(RBVBS1) (54 APR 74)

REFERENCE DATA

SREF = 2090.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = ... 30 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SEWER = 2.128
 POWER = 1.000 GINCAL = 2.000

MACH (1) = 2.001 BETA (1) = -8.285 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 75.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0684 -.0415
 .400 .0878
 .419 .0348
 .550 .0036
 .600 .0799
 .697 -.0476
 .700 -.0240
 .725 -.0240
 .750 -.0471
 .806 -.0084
 .832 -.0310
 .850 -.0215
 .900 .0179
 .950 -.0042
 .966 -.1192
 -.0068

MACH (1) = 2.001 BETA (2) = -6.270 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 75.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0487 -.0412
 .400 .0824
 .419 .0699
 .550 .0377
 .600 .1357
 .697 -.0059
 .700 .0027
 .725 -.0123
 .750 -.0126
 .806 .0114
 .832 .0030
 .850 -.0530
 .900 .0276
 .950 -.0395
 .966 -.0567
 -.0114

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 467

ARC 97-710 1A12B OR T1 S1 (BOTTOM MIN)21

(RBW851)

MACH (1) = 2.001 BETA (3) = -4.260 RNL = 1.265 PTO = 703.778 PO = 89.778 TIO = 76.333

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966-.0353
.0690
.0546
.0876
.0306
.0200
.0224
-.0022
-.0139
-.0635
-.1213
-.0583

.0972

MACH (1) = 2.001 BETA (4) = -2.250 RNL = 1.265 PTO = 703.778 PO = 89.778 TIO = 76.333

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966.0157
.0744
.0265
.0678
.0557
-.0038
.0171
-.0122
-.0395
-.0633
-.1075
-.0862

.0881

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 468

ARC 97-710 1A128 QI TI SI (BOTTOM WING)21

(GBVB51)

MACH (1) = 2.001 BETA (5) = -.250 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.0119		.0264
.400				-.0127		
.419		.0273				
.590			.0385			
.600						.0071
.697	.1259					
.700				.0145		
.725			.0909			
.750						
.806					-.0313	
.832	-.0199					
.850				.0570		
.900						
.920				-.0765		
.950						
.966						

MACH (1) = 2.001 BETA (6) = 1.760 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.0356		.0567
.400				.0160		
.419						
.590		.1296				
.600			.1369			
.697	.1923					
.700				.1275		
.725			.1360			
.750						
.806					.0115	
.832	.0606					
.850				.0874		
.900						
.920				-.0392		
.950						
.966						

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 469

ARC 97-710 1A12B OR T1 SI (BOTTOM WING)21

(0818511)

MACH (1) = 2.001 BETA (7) = 3.770 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0742		.0897
.400				.0376		
.419		.1592				
.550			.1628			.0529
.600						
.697		.1741				
.700				.1133		
.725			.1932			
.750					.0077	
.806		.0022				
.832	.0615					
.850			.1278			
.900		-.0278				-.1010
.950			.0044			
.966	-.0578					

MACH (1) = 2.001 BETA (8) = 5.770 RNL = 1.265 PTO = 703.778 PO = 89.778 TTO = 76.333

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.1371		.1353
.400				.0669		
.419		.2869				
.550			.2918			.0932
.600						
.697		.3073				
.700			.1712	.2888		
.725					.1756	
.750						
.806		.0167				
.832	.0381					
.850			.1191			
.900		-.0119				-.0392
.950			.0029			
.966	-.0529					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 470

ARC 97-710 1A12B O1 T1 S1 BOTTOM WING121

(880851)

MACH (1) = 2.001 BETA (9) = 7.780 RNL = 1.265 F10 = 703.778 PO = 89.778 T10 = 76.333

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7800	.8870
X/C						
.090				.2148		.1835
.400				.1631		
.419		.3179				
.550			.3182			
.600					.1734	
.697						
.700	.3379			.3242		
.725			.2253			
.750					.1467	
.806		.0334				
.832	.0224					
.855			.1495			
.900		.0062				-.0461
.950			.0299			
.966	-.0937					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 471

ARC 97-710 1A12B Q1 T1 S2 (BOTTOM WING)11

(081852) (04 APR 74)

REFERENCE DATA

SREF = 2490.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
 QPR = .433 SEMPR = 1.000
 POWER = 1.000 GIMBAL = 1.000

PARAMETRIC DATA

MACH (1) = 1.550 ALPHA (1) = -7.920 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.4315 -.4195
 .400 -.0323
 .419 .0423
 .530 .0412
 .600
 .697 .0132
 .700
 .725 -.1303
 .750 -.0996
 .806 -.2744
 .832 -.2031
 .850 -.1855
 .900 -.3111
 .920 -.2784
 .950
 .966 -.2071
 .2975

MACH (1) = 1.550 ALPHA (2) = -5.980 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
 .400
 .419 .0714
 .530 .0796
 .600
 .697 .0320
 .700
 .725
 .750
 .806
 .832 -.1911
 .850
 .900
 .950
 .966
 .2975
 .3826
 .0090
 .0217
 -.0875
 -.2487
 -.1555
 -.2850
 -.2576
 -.1658
 -.1743
 -.0347

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 -- 1A128

PAGE 472

ARC 97-710 1A128 01 T1 S2 (BOTTOM WING)111

(RBV852)

WACH (1) = 1.550 ALPHA (3) = -3.950 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 155.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

WACH (1) = 1.550 ALPHA (4) = -1.950 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 155.778

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 473

ARC 97-710 1A128 Q1 T1 S2 BOTTOM WING)11

(RB1632)

MACH (1) = 1.550 ALPHA (5) = .030 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.1817		-.1413
.400				.2847		
.419		.2741				
.550			.2415			
.600						.1784
.697	.2279					
.700				.0860		
.725						
.750				-.0339		
.806		-.2087			.0422	
.832	-.1836					
.850				-.0936		
.900			-.2324			-.1183
.950				-.2041		
.966	-.2022					

MACH (1) = 1.550 ALPHA (6) = 2.020 RNL = 2.648 PTO = 1332.556 PO = 337.444 TTO = 100.778

SECTION (1) MING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0757		.0311
.400				.2980		
.419		.3167				
.550			.2846			
.600						.1900
.697	.2547					
.700				.1086		
.725			.0202			
.750					.0630	
.806		-.1075				
.832	-.1574					
.850				-.0726		-.1146
.900			-.2153			
.950				-.1887		
.966	-.1892					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A128

PAGE 474

ARC 97-715 1A128 OF 11 SE (BOTTOM WING)111

(FB18552)

MACH (1) = 1.555 ALPHA (7) = 4.510 RNL = 2.648 PTO = 1332.556 PO = 337.444 TPO = 155.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.590				.5929		.3519
.400				.3080		
.419		.3737				
.590			.3578			.1965
.600						
.697	.3009					
.700				.1303		
.725			.0442			.0730
.750						
.856		-1.603				
.832	-1.454					
.855				-0.664		
.900		-20.77				-1.055
.950				-1.890		
.966	-1.711					

MACH (1) = 1.590 ALPHA (8) = 6.010 RNL = 2.648 PTO = 1332.556 PO = 337.444 TPO = 155.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.050						
.400				.3706		.4809
.419				.2975		
.590		.3633				
.600			.2913			.2098
.697	.3819					
.700				.1244		
.725			.0420			.0740
.750						
.856		-1.711				
.832	-1.532					
.855						
.900				-0.601		-0.990
.950		-2.053				
.966	-1.544			-1.792		

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 475

ARC 97-719 1A12B C1 T1 S2 (BOTTOM WING) 11

(REV 852)

$$\text{MACH } (1) = 1.559 \quad \text{ALPHA } (9) = 0.010 \quad \text{RNL} = 2.640 \quad \text{PTO} = 1392.956 \quad \text{PQ} = 337.446 \quad \text{TTO} = 100.770$$

SECTION 1112

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7825	.8870
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153

35

419

514

555

35

169.

55.

521.

755

936

-832

CS-0

656

956

5128

2097
0715

3533

1

⋮

.1285

10451

8985

1035

1000

6653

2111

1721

-0851

1373

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 476

ARC 97-710 1A128 OL T1 S2 (BOTTOM WING)11

(RBV853) (24 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CTR = .433 SRMR = .469
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -8.080 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-4492		-4294
.400				-0559		
.419		.0465				
.550			.0396			-2016
.600						
.697	.0098					
.700				-1088		
.725			-1315			-1174
.750						
.806			-2763			
.832	-3049			-1927		-2568
.850			-3278			
.900				-2896		
.950						
.966	-2768					

MACH (1) = 1.550 ALPHA (2) = -6.010 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-4119		-3942
.400				-0245		
.419		.0701				
.550			.0645			-0923
.600						
.697	.0184			-0382		
.700			-0660			-0231
.725						
.750						
.806		-2340				
.832	-2831					-1636
.850						
.900			-2972			-1694
.950				-2684		
.966	-266					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 477

ARC 97-710 1A12B OI T1 S2 (BOTTOM WING)11

(RBW833)

MACH (1) = 1.550 ALPHA (3) = -4.540 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7820 .8870

X/C

.090					
.400					
.419					
.590					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 ALPHA (4) = -2.010 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090					
.400					
.419					
.590					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S2 (BOTTOM WING)11

(RBW853)

MACH (1) = 1.550 ALPHA (5) = .000 RNL = 3.743 PTO = 1974.500 PO = 499.800 T70 = 120.800

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550

ALPHA (6) = 2.020

RNL = 3.743

PTO = 1974.500

PO = 499.800

T70 = 120.800

SECTION (1)MINE

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 479

ARC 97-710 1A12B OF T1 S2 (BOTTOM WING) 11

(RB1653)

MACH (1) = 1.550 ALPHA (7) = 3.950 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.0532		.2943
.400			.3012		
.419		.3747			
.550			.3104		.1912
.600					
.697	.3112				
.700			.1254		
.725			.0466		.0721
.750					
.806		-.1703			
.832	-.1670				
.850			-.0642		-.1087
.900		-.2059			
.950			-.1667		
.966	-.2203				

MACH (1) = 1.550 ALPHA (8) = 5.930 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTO = 120.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050			.3337		.4877
.400			.3011		
.419		.3901			
.550			.2964		.2065
.600					
.697	.3708				
.700			.1165		
.725			.0428		.0713
.750					
.806		-.1703			
.832	-.1705				
.850			-.0658		-.1013
.900		-.2051			
.950			-.1796		
.966	-.2049				

DATE 13 JUN 74

TABULATED SOURCE DATA - ANC 97-710 - 1A128

PAGE 480

ANC 97-710 1A128 01 T1 S2 (BOTTOM WING)11

(RB1953)

WACH (1) = 1.550 ALPHA (9) = 7.950 RNL = 3.743 PTO = 1974.500 PO = 499.800 TTD = 123.800

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2950 .4270 .5340 .6730 .7800 .8870

1/C

.050

.400

.419

.550

.600

.697

.700

.725

.730

.806

.832

.850

.900

.950

.966

.5574

.2945

.3652

.2979

.3772

.2292

.1224

.0418

.1864

.0863

-.1922

-.0605

-.2097

-.1766

-.0831

-.1875

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 CL T1 S2 (BOTTOM WING)11

(RBV834) (04 APR 74)

REFERENCE DATA

REF = 2890.0000 SQ.FT. XREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 ALPHA (1) = -7.970 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7820 .8870

X/C

.050 -.4506
 .400 -.0864
 .419 .0522
 .550 .0390
 .620
 .697 .0033
 .720 -.1049
 .725 -.1369
 .750
 .826 -.2750
 .832 -.3068
 .850
 .920 -.3219
 .950 -.2913
 .966 -.3399

-.4506
 -.0864
 .0522
 .0390
 .0033
 -.1049
 -.1369
 -.2750
 -.3068
 -.3219
 -.2913

-.4509
 -.1909
 -.1055
 -.2721

MACH (1) = 1.550 ALPHA (2) = -5.960 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7820 .8870

X/C

.050 -.4060
 .400 -.0151
 .419 .0767
 .550 .0693
 .620
 .697 .0247
 .720 -.0291
 .725 -.0829
 .750
 .806 -.2510
 .832 -.2826
 .850
 .920 -.2929
 .950 -.2654
 .966 -.3317

-.4060
 -.0151
 .0767
 .0693
 .0247
 -.0291
 -.0829
 -.2510
 -.2826
 -.2929
 -.2654

-.3869
 -.1028
 -.0285
 -.1632
 -.1717

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 482

ARC 97-710 1A128 01 T1 S2 (BOTTOM WING)11

(RBV854)

MACH (1) = 1.550 ALPHA (3) = -3.970 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400			-3.494		-3.3091
.419			.1338		
.550		.1518			
.620		.1306			.0566
.697	.0592				
.700					
.725			.0132		
.750					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 ALPHA (4) = -1.980 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400			-2.735		-2.169
.419			.2147		
.550		.2238			
.620		.1828			.1294
.697	.1593				
.700					
.725			.0449		
.750					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OI T1 S2 (BOTTOM MINC)11

(RBV854)

MACH (1) = 1.550 ALPHA (5) = .020 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.090	-.2039	-.1433
.400	.2809	
.419		
.550	.2685	
.600	.2432	.1836
.697		
.700	.2203	
.725		
.750	-.0017	.0826
.806		
.832	-.2055	.0432
.890	-.2025	-.0933
.900	-.2292	-.1212
.950		-.2039
.966	-.3130	

MACH (1) = 1.550 ALPHA (6) = 2.040 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.1067	-.0132
.400	.7034	
.419		
.550	.3221	
.600	.2935	.1952
.697	.2591	
.700		
.725	.1065	
.750	.0250	.0651
.806	-.1869	
.832	-.1876	
.850		
.900	-.0718	-.1161
.950	-.2126	-.1891
.966	-.2990	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 484

ARC 97-710 1A12B OI T1 S2 (BOTTOM WING)11

(FB W54)

MACH (1) = 1.550 ALPHA (7) = 4.525 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0717 .3181
 .400 .3093
 .419 .3732
 .550 .3156 .1966
 .620
 .697 .3152
 .700
 .725 .1273
 .750 .0465
 .826 .0771
 .832 -.1674
 .895 -.1725
 .920 -.0634
 .950 -.1995
 .966 -.1846
 -.1073
 -.2824

MACH (1) = 1.550 ALPHA (8) = 6.010 RNL = 3.965 PTO = 2123.000 PO = 537.889 TTO = 127.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .3260 .4854
 .400 .3015
 .419 .4033
 .550 .2999
 .620 .2068
 .697 .3714
 .700 .1194
 .725 .0465
 .750 .0740
 .826 -.1665
 .832 -.1704
 .895 -.0618
 .920 -.2013
 .950 -.1763
 .966 -.2872
 -.1001

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 485

ARC 97-710 1A12B C1 T1 S2 (BOTTOM WING)11

(RBV834)

MACH (1) = 1.550 ALPHA (9) = 7.980 RNL = 3.965 PTO = 2123.000 PO = 537.889 TPO = 127.556

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.5280	.5707
.400			.3134	
.419	.3056			
.590		.3066		.2332
.600				
.697	.3816			
.700			.1290	
.725		.0460		.0965
.750				
.806	-.1770			
.832				
.850	-.1940		-.0532	-.0788
.900		-.2007		
.950			-.1716	
.966	-.2478			

ARC 97-719 1A128 OF 71 52 (BOTTOM WING) 11

(RBVBS) (06 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YARP = 953.0000 IN.
 LREF = 1328.0000 IN. YARP = .0000 IN.
 BREF = 1328.0000 IN. ZARP = 400.0000 IN.
 SCALE = .0190 SCALE

BETA = .000 RUDDER = .000
POWER = .000 GIMBAL = 1.000

PARAMETRIC DATA

WACH (1) =	2.001	ALPHA (1) =	-7.560	RNL	=	3.45%	P70	=	2122.556	P0	=	271.000	T70	=	115.556
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SECTION (1) WINE

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5341	.6730	.7600	.8870
-----	-------	-------	-------	-------	-------	-------

[illegible]

MAC (1) = 2.001 ALPHA (2) = -5.550 RNL = 3.459 PTO = 2122.556 PO = 271.000 TPO = 115.556

SECTION (1) VINS

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7600	.8870
-----	-------	-------	-------	-------	-------	-------

[illegible]

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 S2 (BOTTOM WING)111

(RBV855)

MACH (1) = 2.001 ALPHA (3) = -3.340 RNL = 3.459 P70 = 2122.556 PO = 271.000 T70 = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.1204		-.0777
.400				-.0988		
.419		.0092				
.550			.0271			
.600						-.0869
.697	-.0117					
.700				-.0308		
.725						
.750						
.806					-.1188	
.832	-.1708	-.1110				
.850				-.0492		
.900			-.1377			-.1945
.950				-.1163		
.966	-.2471					

MACH (1) = 2.001 ALPHA (4) = -1.530 RNL = 3.459 P70 = 2122.556 PO = 271.000 T70 = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0455		-.0391
.400				-.0783		
.419		.0289				
.550			.0463			
.600						
.697	-.0032					
.700				-.0009		
.725						
.750						
.806		-.0924			-.0833	
.832	-.1551					
.850				.0079		
.900			-.1107			-.1736
.950				-.0685		
.966	-.2322					

DATE 13 JUN 74

TABULATED SOURCE DATA - AEC 97-715 - 1A12B

PAGE 428

AEC 97-715 1A12B OF T1 S2 BOTTOM W/1211

(FEB 1955)

WACH (1) = 2.001 ALPHA (5) = .460 ENL = 3.459 PTO = 2122.556 PO = 271.000 TPO = 115.556

SECTION (1) TIME

DEPENDENT VARIABLE CP

ETA .2395 .4275 .5340 .6750 .7800 .8875

1/C

.055					
.400					
.419					
.555					
.600					
.697					
.700					
.725					
.750					
.805					
.832					
.855					
.900					
.950					
.966					

WACH (1) = 2.001 ALPHA (6) = 2.460 ENL = 3.459 PTO = 2122.556 PO = 271.000 TPO = 115.556

SECTION (1) TIME

DEPENDENT VARIABLE CP

ETA .2395 .4275 .5340 .6750 .7800 .8875

1/C

.055					
.400					
.419					
.555					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.855					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OF T1 52 (BOTTOM WING)11

(RBWB55)

MACH (1) = 2.001 ALPHA (7) = 4.460 RNL = 3.459 FTO = 2122.556 PO = 271.000 TFO = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.050			.1413		.1807	
.400			.0756			
.419		.1043				
.550			.1516			
.600					.1225	
.697						
.700	.2076			.2694		
.725			.1633			
.750				.0496		
.806		-.0163				
.832	-.0457			.1322		
.850			-.0378		-.0470	
.900				.0065		
.950						
.966	-.2189					

MACH (1) = 2.001 ALPHA (8) = 6.460 RNL = 3.459 FTO = 2122.556 PO = 271.000 TFO = 115.556

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.050			.1934		.2719	
.400			.1659			
.419		.1492				
.550			.3763			.1931
.600						
.697	.1675			.2817		
.700			.1741		.2731	
.725						
.750						
.806		-.0159				
.832	-.0450			.1182		.1225
.850			-.0325		.0049	
.900						
.950						
.966	-.2306					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 490

ARC 97-710 1A128 O1 T1 S2 (BOTTOM MINING)

(RBNB55)

MACH (1) = 2.001 ALPHA (9) = 0.450 RNL = 3.459 PTO = 2122.556 PO = 271.000 TPO = 115.556

SECTION (1) MINING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.2917		.4073
.420				.2713		
.419		.1964				
.550			.4038			.4178
.600						
.697	.2740			.3062		
.700						
.725		.2007				
.730					.2640	
.806		-.0153				
.832	-.0601					
.850			.0917			.0820
.900		-.0480				
.930			-.0186			
.966	-.2211					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 01 T1 92 (BOTTOM WING)11

(RBV856) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CTR = .409 SERPR = .597
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.560 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.2048 -.1774
 .420 -.1306
 .419 -.0254
 .590 -.0016
 .600 -.1789
 .697 -.0218
 .700 -.0576
 .725 -.0392
 .750 -.1468
 .806 -.1198
 .832 -.1598
 .850 -.0847
 .920 -.1519
 .930 -.2315
 .966 -.1471

MACH (1) = 2.001 ALPHA (2) = -5.610 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 115.667

SECTION (1) WING

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1702 -.1293
 .420 -.1204
 .419 -.0261
 .590 .0137
 .600 -.1375
 .697 -.0256
 .700 -.0386
 .725 -.0215
 .750 -.1332
 .806 -.1170
 .832 -.1695
 .850 -.0672
 .920 -.1438
 .930 -.2076
 .966 -.1344

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 492

ARC 97-710 1A128 01 11 SE (BOTTOM WING)11

(RBW856)

MACH (1) = 2.001 ALPHA (3) = -3.610 RNL = 3.450 PTO = 2116.667 PO = 270.333 T70 = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.590
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1197
-.1004
-.0111
.0269
.0004
-.0311
-.0050
-.1107
-.1719
-.1349
-.1142
-.0453
-.1930
-.1261
-.0669
-.0794

MACH (1) = 2.001

ALPHA (4) = -1.620

RNL =

3.450

PTO =

2116.667

PO =

270.333

T70 = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.0901
-.0804
.0020
.0425
.0106
-.0136
.0237
-.0946
-.1612
-.1124
-.0702
-.0394
-.0512
-.0955
.0023
-.1756

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 493

ARC 97-715 1A12B ON T1 S2 (BOTTOM WING)111

(RBV856)

MACH (1) = 2.001 ALPHA (5) = .455 RNL = 3.450 FTO = 2116.667 PO = 270.333 TTO = 115.667

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.090					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

MACH (1) = 2.001

ALPHA (6) =

2.440

RNL =

3.450

FTO =

2116.667

PO =

270.333

TTO = 115.667

SECTION (1)MING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.090					
.400					
.419					
.550					
.620					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.920					
.950					
.966					

DATE 15 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 494

ARC 97-710 1A128 Q1 T1 S2 (BOTTOM WING)11

(03M856)

MACH (1) = 2.001 ALPHA (7) = 4.430 RNL = 3.450 PTO = 2116.667 PO = 275.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.090			.1278		.1709
.400			.0744		
.419		.1061			
.590			.2385		.1096
.600					
.697	.1840				
.700			.2047		
.725		.1954			
.750				.1043	
.806		-.0231			
.832	-.0648				
.890		.1297			
.900		-.0371		-.0439	
.950		.0206			
.966	-.1364				

MACH (1) = 2.001 ALPHA (8) = 6.420 RNL = 3.450 PTO = 2116.667 PO = 275.333 TTD = 115.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7820 .8870

X/C

.090			.1883		.2610
.400			.1676		
.419		.1393			
.590			.3759		.1980
.600					
.697	.1776				
.700			.2797		
.725		.1740			
.750				.2695	
.806		-.0170			
.832	-.0407				
.890		.1173			
.900		-.0319		.1193	
.950		.0039			
.966	-.1399				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 495

ARC 97-710 1A128 OL Y1 S2 (BOTTOM WING)11

(RBVBS6)

MACH (1) = 2.001 ALPHA (9) = 0.420 RNL = 3.450 PTO = 2116.667 PO = 270.333 TTD = 119.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.2858

.2698

.1790

.3963

.1988

.3059

.2607

-.0192

-.0593

-.0491

-.0896

-.0201

.0851

-.1234

.4051

.4178

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 496

ARC 97-710 1A128 01 T1 S2 (BOTTOM WING)11

(RB1B57) (04 APR 74)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 CTR = .409 SRMR = 1.245
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.001 ALPHA (1) = -7.570 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 -.1083
 .400 -.1175
 .419 -.0318
 .590 .0136
 .600
 .697 .0318
 .700
 .725
 .750
 .806 -.0903
 .832 -.0368
 .850
 .900
 .950
 .966 -.0335

-.1655
 -.1659
 -.0333
 -.1650
 -.0680
 -.1340
 -.1306
 -.1782

MACH (1) = 2.001 ALPHA (2) = -5.540 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050 -.1592
 .400 -.0999
 .419 -.0428
 .550 .0256
 .600
 .697 .0832
 .700
 .725
 .750
 .806 -.0987
 .832 -.0330
 .850
 .900
 .950
 .966 -.0345

-.1254
 -.1381
 -.0177
 -.0345
 -.1376
 -.0485
 -.1335
 -.1213
 -.1858

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 497

ARC 97-710 1A128 Q1 T1 S2 BOTTOM WING111

(RBV857)

MACH (1) = 2.001 ALPHA (3) = -3.540 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

-.1045
 -.0770
 -.0334
 .0390
 .1091
 .0126
 .0106
 -.1091
 -.0847
 -.1220
 -.0329
 -.1051
 -.1800

-.0692
 -.0901
 -.1119

MACH (1) = 2.001 ALPHA (4) = -1.540

RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .700
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

-.0312
 -.0595
 -.0091
 .0444
 .1224
 .0195
 .0416
 -.0878
 -.0594
 -.1027
 -.0343
 -.0504
 -.0761
 .0120
 -.0697
 -.1597

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 496

ARC 97-710 1A12B ON T1 S2 (BOTTOM WING) 111

(RBV837)

MACH (1) = 2.001 ALPHA (5) = .450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0106	.0279
.400	-.0193	
.419	.0266	
.590	.0576	.0155
.600		
.697	.1261	
.700		
.725	.0900	.0288
.750		-.0210
.806	-.0579	
.832	-.0410	
.850		.0563
.920	-.0697	-.1254
.950		-.0349
.966	-.0457	

MACH (1) = 2.001 ALPHA (6) = 2.450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TTO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.0656	.1004
.400	.0175	
.419	.0470	
.590	.0960	.0613
.600		
.697	.1335	
.700		
.725	.1535	.0279
.750		.0154
.806	-.0462	
.832	-.0446	
.850		.0966
.920	-.0573	-.0686
.950		-.0127
.966	-.0453	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 499

ARC 97-710 1A12B Q1 T1 S2 (BOTTOM WING)11

(RBE37)

MACH (1) = 2.001 ALPHA (7) = 4.400 RNL = 1.928 PTO = 1124.444 PO = 143.333 TPO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.1430	.1828
.400	.1033	
.419		
.550	.1100	.1652
.600		.1361
.697	.1802	
.700		
.725	.2154	
.750	.1855	.0509
.806	-.0241	
.832	-.0266	
.850	.1160	
.900	-.0429	-.0445
.930	-.0562	
.966	-.0369	

MACH (1) = 2.001 ALPHA (8) = 6.450 RNL = 1.928 PTO = 1124.444 PO = 143.333 TPO = 95.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	.2108	.2790
.400	.1642	
.419		
.550	.1909	.3787
.600		.2051
.697	.2064	
.700		
.725	.2725	
.750	.1671	.2616
.806	-.0221	
.832	-.0284	
.850	.1096	.1106
.900	-.0362	
.930	-.0555	
.966	-.0601	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 500

ARC 97-710 1A12B OR T1 S2 BOTTOM WING)11

(R8W857)

MACH (1) = 2.501 ALPHA (9) = 8.420 RNL = 1.928 FTO = 1124.444 PO = 143.333 T70 = 95.500

SECTION (1) WING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
1/C						
.590				.3082		.4128
.400				.3263		
.419		.2430				
.550			.3761			.4189
.620						
.697		.2701		.2978		
.700						
.725			.1800		.2490	
.750						
.806		-.0322				
.832	-.0510					
.850				.0681		.0810
.900		-.0475				
.950				-.0239		
.966	-.0623					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 501

ARC 97-710 1A12B 01 Y1 S2 BOTTOM WING121

(RBV858) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CDR = .409 SWMR = 1.245
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.501 BETA (1) = -0.230 RNL = 1.944 PTO = 143.111 TTO = 95.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0724 -.0597
 .400 .0855
 .419 .0418
 .550 .0071
 .600 .0846
 .697 -.0446
 .700 -.0219
 .725 -.0266
 .750 -.0378
 .806 -.0054
 .832 -.0300
 .850 -.0363
 .900 .0084
 .950 -.0149
 .966 -.0088

MACH (1) = 2.001 BETA (2) = -6.210 RNL = 1.944 PTO = 143.111 TTO = 95.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.0649 -.0414
 .400 .0547
 .419 .0627
 .550 .0288
 .600 .1138
 .697 -.0089
 .700 -.0059
 .725 -.0209
 .750 -.0107
 .806 .0042
 .832 -.0025
 .850 -.0664
 .900 .0072
 .950 -.0615
 .966 .0061

-.0064

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 502

ARC 97-710 1A128 OL T1 S2 (BOTTOM MIN) 21

(RBV858)

MACH (1) = 2.001 BETA (3) = -4.200 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 90.667

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0526 -.0195
 .400 .0365
 .419 .0330
 .550 .0623 .0385
 .600
 .697 -.0018
 .700 .0385
 .725 -.0217 .0436
 .750
 .806 -.0144
 .832 -.0135
 .850 -.0671
 .920 -.0347 -.0464
 .950 -.1340
 .966 -.0057

MACH (1) = 2.001 BETA (4) = -2.190 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTO = 90.667

SECTION (1) MINC

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.0278 -.0079
 .400 .0198
 .419 .0534
 .550 .0922
 .600
 .697 .0822 .1179
 .700 .0264
 .725
 .750 .0479
 .806 -.0320
 .832 .0071
 .850 -.0145
 .920 -.0832 -.0846
 .950 -.1006
 .966 .0259

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 503

ARC 97-710 1A12B ON T1 S2 (BOTTOM WING) 21

(RBV858)

MACH (1) = 2.001 BETA (5) = -.175 RNL = 1.944 PTO = 1121.000 PO = 143.111 TPO = 95.667

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0103 .0258
 .400 -.0253
 .419 .0251 .0587 .0111
 .590 .1204 .0904 .0251
 .700 .0545 .0567 .0256
 .725 -.0331 .0747 .0368
 .750 .0567 .1267
 .816
 .832
 .850
 .890
 .966 -.0362

MACH (1) = 2.001 BETA (6) = 1.830 RNL = 1.944 PTO = 1121.000 PO = 143.111 TPO = 95.667

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 .0284 .0587
 .400 -.0344
 .419 .1257 .1222 .0361
 .590 .1206 .1326
 .700 .1367 .0007
 .725
 .750
 .806 -.0187 .0899 .1186
 .832 .0496
 .850
 .890
 .966 -.0320 -.0223

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 504

ARC 97-710 1A128 01 T1 S2 BOTTOM MINC121

(880858)

MACM (1) = 2.001 BETA (7) = 3.895 RNL = 1.944 P70 = 1121.000 PO = 143.111 T70 = 95.667

SECTION (1) TIME

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

MAC

.090

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.835

.920

.966

-.0765

.0764

.0292

.1803

.1798

.2116

.1738

.2166

.0360

-.0099

.0371

.1058

-.0394

-.0117

-.0988

.8870

.0950

.0655

.0655

.0655

.0655

.0655

.0655

.0655

.0655

.0655

.0655

MACM (1) = 2.001 BETA (8) = 5.860 RNL = 1.944 P70 = 1121.000 PO = 143.111 T70 = 95.667

SECTION (1) TIME

DEPENDENT VARIABLE CP

ETA .2993 .4270 .5340 .6730 .7800 .8870

MAC

.090

.400

.419

.550

.600

.697

.700

.725

.750

.806

.832

.835

.920

.966

-.0663

.1311

.0594

.2625

.2725

.2912

.2771

.1710

.1769

.1769

.1769

.1769

.1769

.1769

.1769

.8870

.1331

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

.0932

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 535

ARC 97-710 1A12B 01 T1 S2 (BOTTOM WING)21

(RBV558)

WACH (1) = 2.001 BETA (9) = 7.870 RNL = 1.944 PTO = 1121.000 PO = 143.111 TTD = 90.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				.1919		.1748
.400				.1482		
.419		.3124				
.550			.3254			
.600						.1704
.697						
.700	.3494			.3100		
.725			.2019			
.750					.1959	
.806		.0267				
.832	.0099					
.850				.1408		
.900			-.0126			-.0206
.950				.0564		
.966	-.1200					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 506

ARC 97-710 1A128 ON T1 S2 (BOTTOM WING) 21

(R0V059) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 C/MCAL = 1.000

MACH (1) = 2.001 BETA (1) = -0.260 RNL = 3.514 PTO = 2122.111 FO = 271.000 TPO = 109.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.090						
.400						
.419		.0051				
.590						
.600						
.697						
.700						
.725						
.790						
.806						
.832						
.890						
.900						
.980						
.986						

MACH (1) = 2.001 BETA (2) = -0.260 RNL = 3.514 PTO = 2122.111 FO = 271.000 TPO = 109.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7820	.8870
X/C						
.090						
.400						
.419		.0018				
.590						
.600						
.697						
.700						
.725						
.790						
.806						
.832						
.890						
.900						
.980						
.986						

DATE 13 JUN 74 TABULATED SOURCE DATA - ARC 97-710 - 1A12B

ARC 97-710 1A12B Q1 T1 S2 (BOTTOM WING) 21 (RB1859)

MACH (1) = 2.001 BETA (3) = -4.220 RNL = 3.514 FTO = 2122.111 PO = 271.000 TFO = 109.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.050					
.405					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.890					
.920					
.950					
.966					

MACH (1) = 2.001 BETA (4) = -2.210 RNL = 3.514 FTO = 2122.111 PO = 271.000 TFO = 109.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C					
.050					
.405					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.890					
.920					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 (BOTTOM WING)21

(5810559)

MACH (1) = 2.001 BETA (5) = -.175 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTD = 159.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .750
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

-.0592
 -.0401
 .0746
 .0315
 .0828
 -.0642
 -.1276
 -.0751
 -.0355
 -.1399

.0240
 .0071
 .0347

MACH (1) = 2.001 BETA (6) = 1.840 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTD = 159.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
 .400
 .419
 .550
 .600
 .697
 .750
 .725
 .750
 .806
 .832
 .850
 .900
 .950
 .966

.0195
 -.0186
 .1163
 .1092
 .0497
 .1488
 -.0476
 .0970
 -.0526
 -.0115

.0564
 .0261
 -.0080
 -.1276

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 509

ARC 97-710 1A129 OL T1 S2 (BOTTOM WING)

(BPMBS9)

MACH (1) = 2.051 BETA (7) = 3.860 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTO = 109.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.0616		.0905
.400				.0174		
.419		.1882				
.550			.1800			.0573
.600						
.697	.2223					
.700				.2107		
.725			.1708			
.750					.0224	
.806		-.0177				
.832	-.0709			.1594		-.1056
.850						
.900			-.0369			
.950				-.0280		
.966	-.2205					

MACH (1) = 2.001 BETA (8) = 5.890 RNL = 3.514 PTO = 2122.111 PO = 271.000 TTO = 109.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.1095		.1309
.400				.0470		
.419		.2636				
.550			.2721			.0916
.600						
.697	.2716					
.700				.2754		
.725			.1742			
.750					.1610	
.806		-.0057				
.832	-.0432					
.850				.1152		-.0439
.900			-.0249			
.950				-.0027		
.966	-.2105					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 510

ARC 97-710 1A128 01 T1 S2 (BOTTOM WING) 21

(RBV859)

MACH (1) = 2.501 BETA (9) = 7.925 RNL = 3.514 FTO = 2122.111 PO = 271.000 TPO = 109.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2995	.4270	.5340	.6730	.7800	.8870
X/C						
.550				.1789		.1746
.400				.1010		
.419		.3516				
.550			.3199			.1728
.600						
.697		.3240				
.700				.3207		
.725			.2153			
.750					.1980	
.806		.0335				
.832	-.0173					
.850			.1457			
.900		-.0112				-.0383
.950			.0112			
.966	-.2085					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A12B

PAGE 511

ARC 97-715 1A12B 01 T1 S2 (BOTTOM WING) 21

(RBW65) (94 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 PREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .5190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .409 SEVER = .557
 POWER = 1.000 GIMBAL = 1.000

MACH (1) = 2.051 BETA (1) = -0.270 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 -.1238 -.0821
 .400 .0000
 .419 .0164
 .550 -.0079 .0455
 .600
 .697 -.0902
 .700
 .725 -.1066
 .750 -.0396
 .806 -.0988
 .832 -.1092
 .850 -.1298
 .900 -.0806 -.1049
 .950 -.1655
 .966 -.0878

MACH (1) = 2.001 BETA (2) = -0.250

RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.090 -.1048 -.0484
 .400 .0108
 .419 .0151
 .550 .0099 .0248
 .600
 .697 -.0720 .0000
 .700
 .725 -.0804 .0169
 .750
 .806 -.1031
 .832 -.0936
 .850
 .900 -.1149 -.1045 -.0638
 .950 -.1657
 .966 -.0886

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-715 - 1A128

PAGE 513

ARC 97-715 1A128 O1 T1 S2 (BOTTOM WING)21

(RBV850)

MACH (1) = 2.001 BETA (5) = -.180 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.920
.950
.966
 -.0103
-.0395
.0014
.0710
.0897
.0203
-.0357
-.0621
-.1334
-.0730
.0526
-.1388
-.0364
.0236
.0077

MACH (1) = 2.001 BETA (6) = 1.840 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTO = 111.778

SECTION (1)WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050
.400
.419
.550
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966
 .0187
-.0178
.1122
.1115
.0410
.1461
-.0464
-.0725
.0937
-.0520
-.0137
.0597
.0256
-.0111
-.1284

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 9°-710 - 1A12B

PAGE 514

ARC 97-710 1A12B 01 Y1 S2 (BOTTOM WING)21

(RBV860)

MACH (1) = 2.001 BETA (7) = 3.875 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTD = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.0647		.0903
.400			.0176		
.419		.1818			
.590			.1771		.0562
.600					
.697	.2235			.2005	
.700					
.725			.1720		.0190
.750					
.806		-.0183			
.832	-.0707				
.850			.1085		-.1080
.900		-.0370		-.0069	
.950					
.966	-.1785				

MACH (1) = 2.001 BETA (8) = 5.890 RNL = 3.479 PTO = 2115.556 PO = 270.111 TTD = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090			.1123		.1278
.400			.0543		
.419		.2627			
.590			.2708		.0943
.600					
.697	.2733			.2746	
.700					
.725			.1693		.1591
.750					
.816		-.0383			
.832	-.0406			.1181	
.850					-.0438
.900		-.0305		.0021	
.950					
.966	-.1712				

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 515

ARC 97-710 1A128 Q1 T1 S2 BOTTOM WING 21

(284865)

MACH (1) = 2.501 BETA (9) = 7.925 RNL = 3.479 FTO = 2115.556 PO = 275.111 TFO = 111.778

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				.1808		.1783
.400				.1090		
.419		.3289				
.550			.3190			.1718
.600						
.697	.3301			.3169		
.700			.2134			
.725					.1886	
.750						
.806		.0304				
.832	-.0072					
.850				.1478		
.900			-.0061			-.0382
.950				.0128		
.966	-.1701					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B OL T1 S2 (BOTTOM MIN)21

(RBV661) (04 APR 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 953.0000 IN.
 LREF = 1328.0000 IN. YREF = .0000 IN.
 BREF = 1328.0000 IN. ZREF = 400.0000 IN.
 SCALE = .0195 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 CTR = .433 SREF = 1.000
 POWER = 1.000 GMSAL = 1.000

MACH (1) = 1.550 BETA (1) = -0.200 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1729 -.1568
 .400 .0216
 .419 .0053
 .550 -.0554
 .600 .0046
 .697 -.1264
 .700 -.1269
 .725 -.1804
 .750 -.1261
 .806 -.1447
 .832 -.2333
 .850 -.2332
 .900 -.1263
 .920 -.2717
 .950
 .966 -.1152

MACH (1) = 1.550 BETA (2) = -0.190 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1) MING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090 -.1006 -.1122
 .400 .0707
 .419 .0120
 .550 -.0281
 .600 .0208
 .697 -.0934
 .700 -.1047
 .725 -.1769
 .750 -.1113
 .806 -.1690
 .832 -.1424
 .850 -.2241
 .900 -.1915
 .920 -.3041
 .950
 .966 -.1172

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TAPULATED SOURCE DATA - ARC 97-715 - 1A128

PAGE 517

ARC 97-715 1A128 01 Y1 S2 (BOTTOM WING) 21

(REUSE 61)

MACH (1) = 1.555 BETA (3) = -4.175 RNL = 2.647 PTO = 1345.556 PO = 345.667 TTD = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7850	.8870
X/C						
.050				-.1072		-.0497
.400				.0901		
.419		.0597				
.550			.0235			
.600						.0362
.697	-.0273					
.700				-.0810		
.725			-.1371			
.750					-.0211	
.805		-.2159				
.832	-.1382					
.850			-.1965			
.900		-.2815			-.2008	
.950			-.2848			
.955	-.1213					

MACH (1) = 1.550 BETA (4) = -2.150 RNL = 2.647 PTO = 1345.556 PO = 345.667 TTD = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6750	.7850	.8870
X/C						
.050				-.2009		-.1275
.400				.1848		
.419		.1361				
.550			.1307			
.600						.1072
.697	.1156					
.700				.0239		
.725			-.0512			
.750					-.0120	
.805		-.2054				
.832	-.1796					
.850			-.1332			
.900		-.2482			-.1564	
.950			-.2339			
.955	-.1480					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 518

ARC 97-710 1A128 OF T1 S2 (BOTTOM WING)21

(681861)

MACH (1) = 1.550 BETA (5) = -.140 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.705						
.725						
.750						
.816						
.832						
.850						
.900						
.950						
.966						

MACH (1) = 1.550 BETA (6) = 1.680 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTO = 105.000

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6750 .7800 .8870

X/C

.050						
.400						
.419						
.550						
.600						
.697						
.705						
.725						
.750						
.806						
.832						
.850						
.900						
.950						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

PAGE 5:9

ARC 97-710 1A128 Q1 T1 S2 BOTTOM WING 121

(RBV961)

MACH (1) = 1.550 BETA (7) = 3.950 RNL = 2.647 PTO = 1345.556 FO = 340.667 TTO = 105.500

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0854		-.0392
.400				.3286		
.419		.3355				
.550			.3074			
.600						.2207
.697	.2285					
.700			.1111			
.725			.0394			
.750					.0638	
.806		-.1505				
.832	-.1245					
.850			-.0615			
.900		-.1820			-.1052	
.950			-.1788			
.966	-.2650					

MACH (1) = 1.550 BETA (8) = 5.950 RNL = 2.647 PTO = 1345.556 FO = 340.667 TTO = 105.500

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.050				-.0390		.0203
.400				.3989		
.419		.3777				
.550			.3186			
.600						.2312
.697	.3055					
.700			.1436			
.725			.0600			
.750					.0879	
.806		-.1254				
.832	-.0878					
.850			-.0466			
.900		-.1679			-.0929	
.950			-.1639			
.966	-.2728					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 Q1 T1 S2 (BOTTOM MIN) 21

(REVIS61)

MACH (1) = 1.550 BETA (9) = 7.950 RNL = 2.647 PTO = 1345.556 PO = 340.667 TTD = 105.000

SECTION (1) MIN

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090

.400

.419

.590

.600

.697

.700

.725

.750

.806

.832

.850

.900

.950

.966

.0382

.4165

.4446

.3741

.1630

.0834

-.1113

.1084

-.0247

-.1606

-.1522

-.0777

-.0777

-.2843

.0866

.2592

.1084

-.0247

-.1606

-.1522

-.0777

-.0777

-.2843

-.0777

-.0777

-.2843

-.0777

-.0777

-.2843

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B 01 T1 S2 (BOTTOM WING) 21

(RBV52) (04 APR 74)

REFERENCE DATA

XREF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BREF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 OFR = .433 STRUT = .469
 POWER = 1.000 GUNWAL = 1.000

MACH (1) = 1.550 BETA (1) = -8.250 RNL = 3.735 PTO = 1977.300 PO = 500.900 TPO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.966						

MACH (1) = 1.550 BETA (2) = -6.220 RNL = 3.735 PTO = 1977.300 PO = 500.900 TPO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090						
.400						
.419						
.550						
.600						
.697						
.700						
.725						
.750						
.806						
.832						
.850						
.900						
.966						

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TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 SE BOTTOM WING(2):

(REV62)

MACH (1) = 1.550 BETA (3) = -4.190 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.1278	-.0674
.400	.0940	
.419		
.550	.0366	
.600	.0263	
.697	-.0339	.0357
.700		
.725	-.1356	
.750		-.0773
.806	-.2536	
.832	-.1962	
.850		-.1964
.900	-.2999	-.2101
.950	-.2899	
.965	-.1645	

MACH (1) = 1.550 BETA (4) = -2.170 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.2229	-.1512
.400	.1840	
.419		
.550	.1410	
.600		.1123
.697	.1272	
.700		
.725	.0225	
.750	-.0397	
.806	-.2051	-.0113
.832	-.2017	
.850		-.1311
.900	-.2466	-.1612
.950	-.2312	
.965	-.2069	

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF T1 S2 (BOTTOM MIN) 121

(RBV862)

MACH (1) = 1.550 BETA (5) = -.140 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.730					
.806					
.832					
.850					
.900					
.950					
.966					

MACH (1) = 1.550 BETA (6) = 1.920 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTO = 122.400

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.730					
.806					
.832					
.850					
.900					
.950					
.966					

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 ON T1 S2 (BOTTOM WING) 21

(8B4862)

MACH (1) = 1.550 BETA (7) = 3.940 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.1116	-.0449
.400	.3317	
.419		
.530	.3116	.2211
.600		
.697	.2438	
.700		
.725	.1120	
.750	.0401	.0685
.806	-.1497	
.832	-.1323	
.850		
.900	-.1858	-.1082
.950	-.1812	
.966	-.3167	

MACH (1) = 1.550 BETA (8) = 5.990 RNL = 3.735 PTO = 1977.300 PO = 500.900 TTD = 122.400

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090	-.0649	.0310
.400	.3961	
.419		
.530	.3258	.2318
.600		
.697	.3066	
.700		
.725	.0629	.1384
.750		.0920
.806	-.1261	
.832	-.1053	
.850		
.900	-.0469	-.0918
.950	-.1668	-.1679
.966	-.3699	

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(RB VB62)

ARC 97-719 1A12B 01 T1 S2 (BOTTOM WING) 21

$\mu_{\text{new}}(A) = 0.550$	$\text{BEYA}(9) = 7.900$	$\text{RNL} = 3.735$	$\text{PTO} = 1977.350$	$\text{PG} = 500.900$	$\text{TTO} = 122.400$
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SECTION (1) WINE

ETA	.2995	.4275	.5345	.6735	.7805	.8875
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xx

	.95	- .0104	.6844
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419
4334

419	4334	1873
551		3781

.59	.3781	.2575
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525	.0836	.0007
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.750 .1983

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-.632
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DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A128

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ARC 97-710 1A128 OF 11 52 (BOTTOM WING) 21

(RBV663) (04 APR 74)

REFERENCE DATA

SRF = 2690.0000 SQ.FT. XMRP = 953.0000 IN.
 LREF = 1328.0000 IN. YMRP = .0000 IN.
 BRF = 1328.0000 IN. ZMRP = 400.0000 IN.
 SCALE = .0190 SCALE

PARAMETRIC DATA

ALPHA = .000 RUDDER = .000
 POWER = .000 GIMBAL = 1.000

MACH (1) = 1.550 BETA (1) = -8.250 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.2153 -.1722
 .400 .0156
 .419 -.0114
 .550 -.0844
 .600 .0004
 .697 -.1638
 .700 -.1384
 .725 -.2256
 .750 -.1344
 .806 -.2572
 .832 -.2541
 .850 -.3004
 .900 -.2397
 .950
 .966 -.2037

MACH (1) = 1.550

BETA (2) = -6.220

RNL = 3.722

PTO = 1980.333

PO = 501.444

TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050 -.1637 -.1173
 .400 .0800
 .419 .0015
 .550 -.0259
 .600 .0206
 .697 -.1220
 .700 -.1089
 .725 -.1887
 .750 -.1103
 .806 -.2817
 .832 -.2425
 .850 -.2298
 .900 -.3280
 .950 -.3159
 .966 -.2152

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TABULATED SOURCE DATA - ARC 97-710 - 1A129

PAGE 527

ARC 97-710 1A129 01 Y1 S2 (BOTTOM WING) 21

(RBV863)

MACH (1) = 1.550 BETA (3) = -4.190 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.1447	-.0589
.407	.0985	
.419	.0551	
.550	.0310	
.600		.0377
.697	-.0278	
.700		-.0585
.725	-.1281	-.0773
.750		
.806	-.2693	
.832	-.2642	-.1935
.850		-.2095
.900	-.3022	-.2878
.950		
.966	-.2275	

MACH (1) = 1.550 BETA (4) = -2.160 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.050	-.2208	-.1518
.407	.1703	
.419	.1337	
.550	.1521	
.600		.1177
.697	.1282	
.700		.0296
.725	-.0329	
.750		-.0073
.806	-.2059	
.832	-.2054	
.850		-.1262
.900	-.2445	-.1566
.950		-.2302
.966	-.2811	

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B Q1 T1 S2 (BOTTOM WING)21

(R8V863)

MACH (1) = 1.550 BETA (5) = -.120 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.530
.600
.677
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.2006
.2822
.2904
.2207
.0007
-.2070
-.2079
-.2240
-.0841
-.2030
-.1439
.1969
.0464
-.1202
-.3115

MACH (1) = 1.550 BETA (6) = 1.890 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090
.400
.419
.530
.600
.697
.700
.725
.750
.806
.832
.850
.900
.950
.966

-.1577
.3077
.2455
.2709
.0392
-.1273
-.1619
-.1163
-.1951
-.0605
-.1840
-.1013
.1979
.0805
-.0987

DATE 13 JUN 74

TABULATED SOURCE DATA - ARC 97-710 - 1A12B

PAGE 529

ARC 97-710 1A12B OI T1 S2 (BOTTOM MIN) 121

(RBV63)

MACH (1) = 1.550 BETA (7) = 3.920 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

MACH (1) = 1.550 BETA (8) = 5.960

RNL = 3.722 PTO = 1980.333 PO = 501.444 TTO = 124.667

SECTION (1) WING

DEPENDENT VARIABLE CP

ETA .2990 .4270 .5340 .6730 .7800 .8870

X/C

.090					
.400					
.419					
.550					
.600					
.697					
.700					
.725					
.750					
.806					
.832					
.850					
.900					
.966					

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TABULATED SOURCE DATA - ARC 97-710 - 1A12B

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ARC 97-710 1A12B ON T1 S2 (BOTTOM MIN) 21

(RBV63)

MACH (1) = 1.590 BETA (9) = 7.980 RNL = 3.722 PTO = 1980.333 PO = 501.444 TTD = 124.667

SECTION (1) MINING DEPENDENT VARIABLE CP

ETA	.2990	.4270	.5340	.6730	.7800	.8870
X/C						
.090				-.0081		.0864
.400				.4204		
.419		.4355				
.590			.3801			.2579
.603						
.697	.4100					
.700				.1622		
.725			.0847			
.790					.1085	
.806		-.1096				
.832	-.0904					
.890				-.0250		-.0806
.900			-.1587			
.950				-.1536		
.966	-.3631					

